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65,911

# *Annual Catalog* **...1942**



*Howard's Giant  
Crested Zinnias*  
STRIKINGLY BEAUTIFUL.  
(See Flower Seed Section)

## **TACOMA SEED CO.**

*SEEDS, BULBS and PLANTS*

**805 Pacific Avenue**

**TACOMA, WASHINGTON**

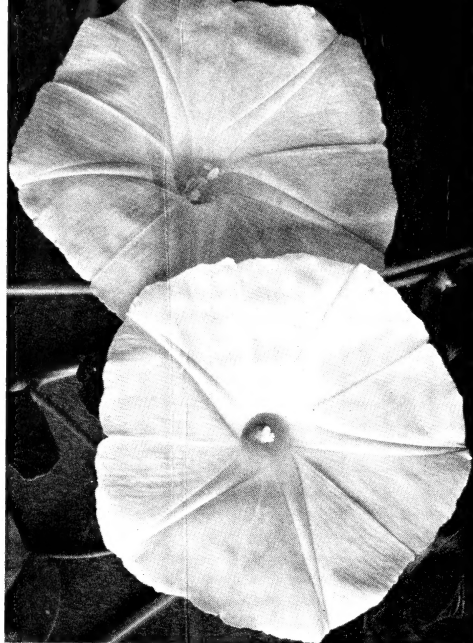
**Phone: BRoadway 2263**



### **CLEOME, PINK QUEEN**

Silver Medal, All America Selections, 1942

A tall and attractive border plant with huge heads of delightful and refreshing pink without a trace of blue or magenta. It is never out of bloom. A grand flower, well branched, airy foliage. Reaches over four feet. Pkt. 25c.



### **MORNING GLORY, PEARLY GATES**

Silver Medal, All America Selections, 1942

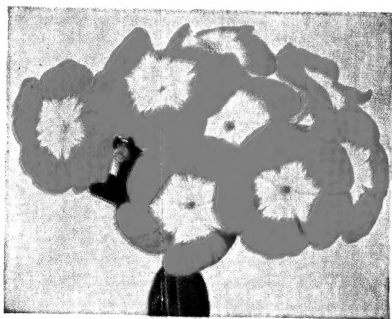
A big, satiny white Morning Glory with a creamy shading in the throat. An early blooming climber, literally covered with lovely flowers. Has a beautiful appearance and makes a grand companion for Clark's Early Heavenly Blue. Luxurious foliage; reaches 12 ft. Pkt. 25c.



### **NIEREMBERGIA PURPLE ROBE**

Bronze Medal,  
All America Selections,  
1942

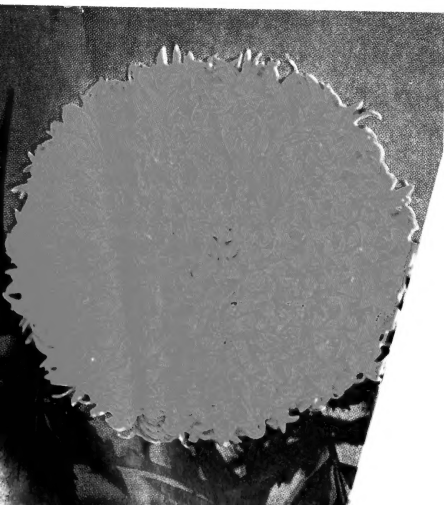
Very dwarf, cushion-like plant, surmounted with flowers of deep or violet-blue. It stays in bloom over a long period and with a colorful blanket of bloom. A grand border and edging subject; about six inches tall. Pkt. 25c.



### **PHLOX GIGANTEA, RED GLORY**

Honorable Mention, All America Selections, 1942

Rich, bright red Gigantea type Phlox with contrasting white eye. A free, continuous bloomer, tall, lightly foliaged, uniform and true. Pkt. 25c.



### **MARIGOLD, GOLDEN BEDDER**

Bronze Medal,  
All America  
Selections, 1942

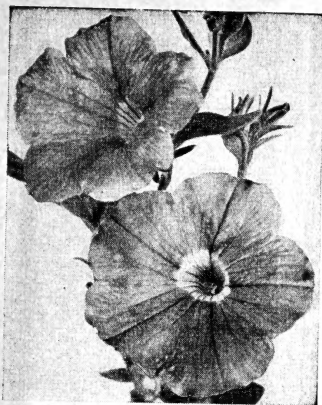
This delightful new variety is one of the earliest of all Marigolds. The picturesque dwarf plants grow only fifteen inches tall. Chrysanthemum flowering, rich gold orange. Pkt. 25c.

### **VERBENA HYBRIDA, ROSEGLOW**

Glowing deep rose shading to orange scarlet in the individual floret in the out an eye. Color is so luminous that each plant has the appearance of a small flat fountain of fire. Decidedly free flowering. Pkt. 25c.







Petunia Hybrida, Radiance

# Novelty Flower Seeds for 1942

## PETUNIA HYBRIDA, RADIANCE

Silver Medal, All-America Selections, 1941

An outstanding new Petunia. The color is a rich cerise rose with enough underlying salmon to remove the harshness, commonly found in a cerise rose, without losing the brilliance. The throat is a golden yellow which adds warmth and life to the general color. Decidedly floriferous and holds its uniform and neat habit well into the late fall. Pkt. 25c.

## ZINNIA, HOWARD'S NEW GIANT CRESTED

The colors included in this strain are charmingly bright and fresh and contain almost all known colors and shades of color to be found in this most popular of annual plants. Magnificent shades of orange, orange scarlet, yellow, rose, maize and crimson predominate. Flowers average four or five inches in diameter and have a full rounded cushiony center surrounded by broad guard petals. Excellent cut flower. Pkt. 20c.

## MARIGOLD, DWARF FRENCH DOUBLE, BUTTERBALL

Bronze Medal, All-America Selections, 1942

Most attractive, very compact, scabious-flowered Marigold of canary yellow. Rich, dense foliage, well covered with small blooms. Six to ten inches tall, uniform, very early and continuous flowering. Pkt. 25c.

## COSMOS, DOUBLE ORANGE RUFFLES

A semi-double form of the very popular Cosmos Orange Flare. The extra two or three rows of petals add immensely to the butterfly-like beauty of the richly colored orange bloom. Ten days to two weeks earlier than Orange Flare and more dwarf in habit. Flowers continuously throughout the summer weeks. Pkt. 25c.

## PETUNIA, GIANTS OF CALI- FORNIA, GLAMOUR

Honorable Mention, All-America Selections, 1942

Large flowers of salmon-rose with brown veining on white in the throat. An excellent color under artificial light and outdoors. Little variation in color shades. Most flowers have wavy, fringed petals, although a few come plain edged. A free and continuous bloomer. Pkt. 25c.

## RUDBECKIA, STARLIGHT

Honorable Mention, All-America Selections, 1942

Large, semi-double flowers in colors ranging from primrose yellow to mahogany and b colors, with mahogany centers. A free bloomer and unique for cutting arrangements; long stems. Pkt. 25c.

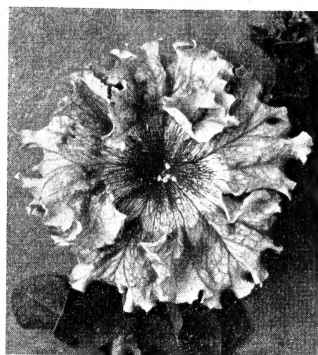
## MARIGOLD, DWARF FRENCH DOUBLE, MELODY

Bronze Medal, All-America Selections 1942

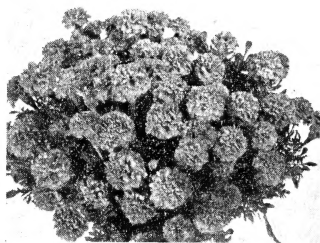
Lovely golden yellow flowers literally cover the uniformly 12 to 15 inch plants for a long season. Very uniform in height, habit and color. We recommend this variety for cutting and edging the flower border. Pkt. 25c.

## ZINNIA, LILLIPUT PASTEL MIXTURE

Charming dwarf zinnia, excellent for low borders or edgings. Tidy plants produce a bounteous supply of very double pompon flowers about 1 1/2 inches across. Wide range of pastel colors. Pkt. 15c.



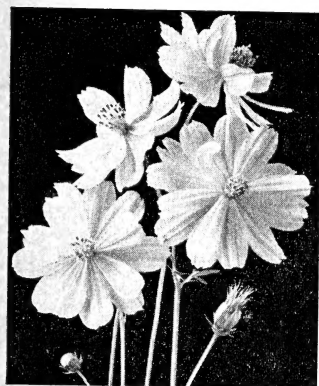
Petunia, Glamour



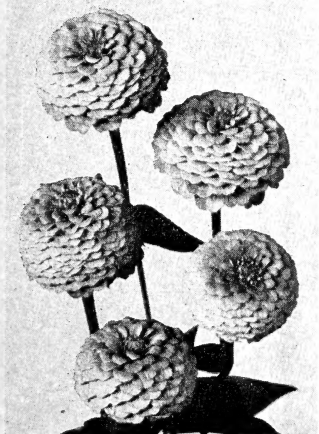
Marigold, Dwarf French Double, Melody



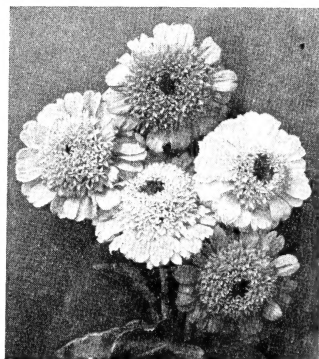
Marigold, Dwarf French Double, Butterball



Cosmos, Double Orange Ruffles



Zinnia, Lilliput Pastel Mixture



Zinnia, Howard's New Giant Crested

KEEP YOUR GARDEN UP-TO-DATE WITH NOVELTY ANNUALS  
ADD THREE PERCENT STATE TAX TO ALL MAIL ORDERS

The national government will promote a defense garden campaign for 1942, in which all home gardeners who live in favorable locations will be urged to grow vegetables for family consumption as an aid to defense. Every farmer in the country will likewise be encouraged to grow a vegetable garden as part of the campaign for maximum food production.

There are millions of home gardens in towns, suburbs and the outlying sections of cities on which gardeners can grow finer vegetables than they could buy in markets. There are also plenty of vacant lots in favorable locations which can be used for food production, if more space is needed.

Disappearance of all surpluses and higher prices for fresh vegetables are considered a certainty by national defense authorities. Producers are faced with scarcity of labor and much higher wages; while demand is being skyrocketed. Home-grown vegetables will also lighten the transportation problem which is becoming acute.

Then there are the benefits of health and economy enjoyed by way of the home garden. Fresh vegetables right from your own garden are naturally more nutritious and tasty. The exercise one obtains in gardening is likewise healthful and tends to build strength and vigor.

Get closer to nature, aid in the defense program, economize and enjoy better health through gardening.

## TREES AND SHRUBS

We can supply you with any variety of ornamental nursery stock or fruit trees available in this section. Space at our store does not permit keeping stock on display for immediate delivery. We can procure it for you direct from our grower, freshly dug and ready to plant.

You will find a full selection of **ROSES, CAMELLIAS, PEONIES**, at planting time at the store.

## CUSTOMERS PLEASE TAKE NOTICE

**OUR TERMS ARE STRICTLY CASH WITH ORDER.** We prefer not to send seeds C. O. D. unless order is accompanied by at least one-third of the amount of order.

**HOW TO REMIT.** Send postal money order, express money order, or check. Stamps will do if your order is for a small amount.

**ERRORS.** We exercise every care in handling your orders, but should an error occur, kindly write us at once, and we will adjust it promptly.

**ALL PRICES IN THIS CATALOG ARE SUBJECT TO CHANGE WITHOUT NOTICE.**

**REPORTS—GOOD OR BAD.** Will you help us to attain greater success by writing and telling us how our Seeds and Supplies reach you, how they grow and **how you like them?** We will certainly appreciate it. Your criticisms, if you have any, as well as your praises, are desired.

## NOTES ABOUT PARCEL POST

Poisons can not be sent by mail. We ship them by express.

Weight limit in all zones 70 pounds.

**NON-WARRANTY.** Most of the failures with seeds are due to causes entirely beyond our control, such as unfavorable weather or soil conditions, too deep or too shallow planting, etc., which renders it impossible for us to guarantee success. We therefore give no warranty as to description, quality or productiveness of any of the seeds we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods under these conditions, they are to be at once returned.

**WE DO NOT GUARANTEE REPLACEMENT OF GOODS SENT BY MAIL.** An additional remittance of 5 cents will insure any mail package.



C. F. T. ROWE  
Pres. and Manager

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# Annual and Perennial Flower Seeds

## AGERATUM, Floss Flower (a)

One of the most popular Summer blooming plants grown from seed, being literally covered with flowers from early Summer until frost. Excellent for borders, edgings, rockery, or pots. The taller varieties are fine for cutting. Do well in semi-shade.

**AGERATUM MIDGET BLUE.** Silver Medal, All-America Selection, 1940. A very fine dwarf (2 to 3 inches high) Ageratum with delicate foliage, which is practically smothered with small true Ageratum Blue flowers. This is really the first dwarf Ageratum that we have found that will come uniformly dwarf and true to color from seed. Pkt. 25c.

**BLUE-CAP.** Compact round plants, 4 inches tall, hidden by a mass of pure blue flowers. Fine for dwarf beds and edging. Pkt. 10c.

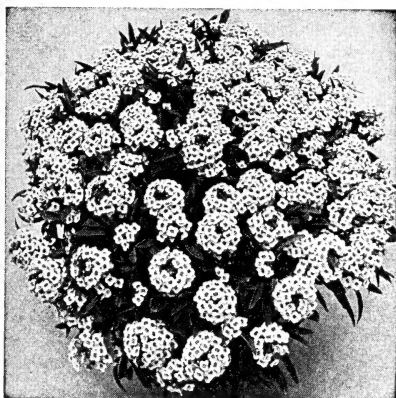
## ALYSSUM, Madwort

One of the most popular garden flowers, remaining in bloom the entire season; suitable for beds and edging in Summer, or for growing in pots and boxes for Winter blooming.

**SNOW CLOTH.** (ra). White flowers on plant only 3 inches tall. Rapidly becoming a favorite variety. Pkt. 10c.

**SAXATILE COMPACTUM.** Perennial. Sometimes called Basket of Gold. It grows compactly and is covered with a wealth of golden blossoms in early spring. Height 12 inches. Pkt. 10c.

**VIOLET QUEEN.** Dwarf compact plants of small, sweetly scented flowers of a very rich deep shade of violet. Neat in habit and free flowering. Violet Queen will unquestionably be one of the leading novelties of the season. Pkt. 15c.



SWEET ALYSSUM

## ANCHUSA, Summer Forget-Me-Not (a)

A free-flowering class, producing its charming Forget-Me-Not-like blooms in graceful sprays from early Summer until late Fall.

**BLUE BIRD.** Deep blue flowers on plants 18 inches tall. Pkt. 10c.

## ARCTOTIS HYBRIDS AUTUMN SHADES (a)

A gay and cheerful member of the colorful winter and spring blooming flowers. Dozens of blossoms open at a time, commencing to bloom in December or January. Many shades of red, orange, yellow, typical autumn tones. Foliage is a soft gray green with slender wavy edged leaves. A decided addition to the border garden.

**MIXED.** Pkt. 10c.

a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.



SNAPDRAGONS

## ANTIRRHINUM, Snapdragon (a)

Snapdragons are fascinating flowers, with their interesting form and glowing colors. They are easy to grow and will bloom continuously until severe frost, making a wonderful display and supplying unlimited cut flowers. Ordinary good garden soil will produce fine Snapdragons either in full sun or semi-shaded spots. Sow outdoors when danger of frost has passed, or indoors six weeks earlier.

**ROSALIE** (Bronze Medal, All-America Selections, 1940). This exciting color is entirely new in Antirrhinum. It is a rich deep rose with an underlying tone of topaz or amber, giving it a richness which makes it stand out among all other colors. The plants are base branching and produce from six to eight huge long flowering spikes on which the florets are decidedly well arranged. This is an all-purpose Snapdragon. Pkt. 25c.

**SWING TIME.** New rust resistant novelty. The loveliest rose pink imaginable with a bright yellow touch and a white tube that is an addition to its beauty rather than a hindrance. Spikes are huge and evenly packed with immense blooms beautifully tapered. Pkt. 15c.

## SUPER GIANTS, RUST RESISTANT

30 to 36 inches tall.

**ALASKA.** Pure white. Pkt. 15c.

**CAMPFIRE.** Luminous scarlet. Pkt. 15c.

**DAFFODIL.** Primrose and lemon. Pkt. 15c.

**COPPER KING.** Bronzy copper. Pkt. 15c.

**LOVELINESS.** Pure soft rose pink. Pkt. 15c.

**FINEST MIXED.** Pkt. 15c.

## LARGE FLOWERED, HALF DWARF

Rust Resistant

**FINEST MIXED.** Pkt. 15c.

## AQUILEGIA, Columbine (p)

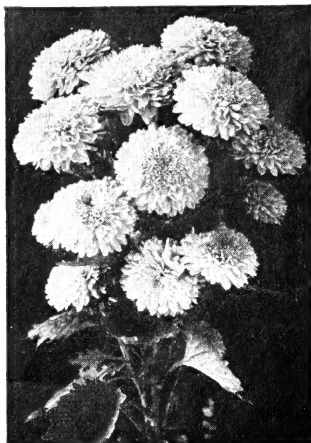
These are among the most beautiful of Spring and early Summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the fern-like foliage.

**CRIMSON STAR.** (Award of Merit, Royal Horticultural Society.)

Rich dark crimson sepals and spurs, in wonderful contrast to the white petals — combination of colors entirely new in Aquilegia. Flowers are large, plants are vigorous; a wonderful novelty. Pkt. 15c.

**MRS. SCOTT ELLIOTT'S STRAIN.** One of the finest tall strains ever developed, long-spurred, large flowers, in a splendid mixture of colors. Pkt. 15c.

# ANNUAL AND PERENNIAL FLOWER SEEDS



## ASTER (a)

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July until September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give a great deal of attention to these flowers, and are in a position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. To do well, Asters require a well pulverized soil, always kept open by continuous cultivation. Height, 1 to 3 feet.

**IMPROVED GIANTS OF CALIFORNIA.** This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list.

**FINEST MIXED.** Pkt. 10c.

**ASTER, SUPER GIANT EL MONTE.** Special Mention, All-America Selections, 1936. Deep glowing crimson, composed of abundant quantities of daintily interlaced plume-like petals, the flowers are extremely large and fluffy, borne on heavy non-lateral, basal branched stems. Pkt. 15c.

**SUPER GIANT LOS ANGELES.** Award of Merit, All-America Selections, 1934. The first introduction in modern Super Giant class, the flowers are fully double, 6 to 8 inches across, graceful and delicately interlaced. Long, stiff stems, bearing the large shell pink flowers smartly upright. Pkt. 15c.

**ASTER, EARLY GIANT WILT-RESISTANT, LIGHT BLUE.** Silver Medal, All-America Selections, 1939. Fully wilt-resistant, extremely large flowered and most attractive colors. Color is a rich light blue, a shade which blends in beautifully with either deeper or lighter tones. Pkt. 15c.

**ASTER, EARLY GIANT WILT-RESISTANT, Rose Marie.** Early, wilt-resistant. Rich shade of rose; 4-5 inches in diameter with long heavy petals and full fluffy centers. 1½-2 feet tall, each stem produces 6 to 8 flowers. Pkt. 15c.

**IMPROVED CREGO WILT-RESISTANT.** The large shaggy flowers with long curled petals are not unlike the ostrich feather for which they are commonly named. The plants are strong, heavily branched and grow about 2½ feet in height.

**Crimson.** Glowing deep rose-crimson. Pkt. 10c.

**Cattleya.** Fascinating shade of orchid. Pkt. 10c.

**Purple.** Showy violet purple. Pkt. 10c.

**Enchantress.** Luscious shade of lively salmon rose. Pkt. 10c.

**Rose.** Lovely bright carmine rose. Pkt. 10c.

**White.** Purest white, large and fluffy. Pkt. 10c.

**Crego's Finest Mixed.** Pkt. 10c.

**AMERICAN BRANCHING. Wilt-Resistant.** Plants 2½ to 3 feet tall, branching, robust; flowers large, double and fine form, blooming in early September. Our selected stocks of these are the best money can buy.

**FINEST MIXED.** Pkt. 10c.

**SINGLE ASTERS.** (a) Large, daisy-like flowers in the same colors as the double China Asters, 18-24 inches high with large flowers on graceful stems. Fine for variety in the garden. Excellent for cutting. Mixed. All colors. Pkt. 10c.

**SUNSHINE OR ANEMONE FLOWERED ASTERS.** (a) Dwarf, branching, free-flowered variety. The flowers are composed of a loose row of outer petals which contrast with the very different quill-like yellow center disc. The effect produced is two-toned. Choice Mixture of Colors. Pkt. 10c.

## BABY'S BREATH (See Gypsophila)

## BACHELOR'S BUTTON (See Centaurea)

## BALSAM, Lady Slipper (a)

An old and popular garden flower of easy culture. Gorgeous masses of brilliant colored double flowers are produced in the greatest profusion. Height, 2 feet.

**CAMELIA FLOWERED.** Finest mixed. Pkt. 10c.

## BEAN (a)

A rapid climber, flowering profusely; grows 10 to 15 feet high. Edible as well as ornamental.

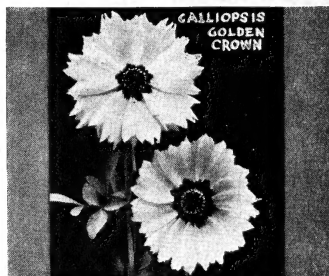
**SCARLET RUNNER.** Pkt. 10c.

## BLUE FERN FLOWER (See Nierembergia)

## BRACHYCOME, Swan River Daisy (a)

Brilliant free-flowering annual blooming throughout the Summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height, 6 to 12 inches.

**MIXED COLORS.** Pkt. 10c.



## CALLIOPSIS, Tickseed (a)

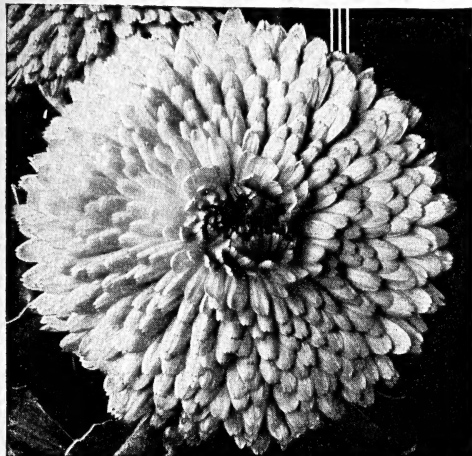
Very showy and splendid subjects for garden decoration as well as for cutting. Sow seed where intended to bloom in early Spring; thin out to 6 inches apart. Cut flowers as soon as they open, as this prolongs the blooming season until Autumn. Height, ½ to 2½ feet.

**GOLDEN CROWN.** Silver Medal, All-America Selections 1938. An enlarged Drummondii. A rich orange-yellow or gold of pleasing fragrance. Makes a good cut flower with 12-inch wiry stems. Similar to Golden Crest. Pkt. 10c.

**TALL MIXED.** Pkt. 10c.



# ANNUAL AND PERENNIAL FLOWER SEEDS



## CALENDULA, Pot Marigold (a)

The colorful flowers make a wonderful display in the garden and are always admired by those who see them. Blooms freely in early Summer and continues into the Fall. Even though this plant prefers a sunny location and rather dry soil, it does well under widely different conditions, requiring little care to grow to perfection. 18 to 24 inches in height.

**APRICOT QUEEN.** Soft apricot shaded orange. Dark eye. Pkt. 10c.

**CAMPFIRE IMPROVED.** A very deep strong orange with distinct scarlet sheen on upper side of each petal. Blooms flat across top and measures 4 inches in diameter. Plants are strong growing and even in habit. Exceptionally long heavy cutting stems in generous quantity on each plant. Pkt. 15c.

**ORANGE FANTASY.** Silver Medal, All-America Selections 1938. Distinct. Rather dwarf, heavy foliaged plants. 18 to 24 inches. Crested flowers of coppery orange, with petals edged mahogany. True. A fine novelty. Pkt. 10c.

**RADIO.** Flowers hemispherical in shape with bristling quilled petals, rich glowing orange. Graceful and attractive. Pkt. 10c.

**DOUBLE MIXED.** Pkt. 10c.

## CALIFORNIA POPPY (See Eschscholtzia)

## CAMPANULA, Canterbury Bell

**CALYCANTHEMA** (b) (Cup and Cauler). Perhaps the most beautiful type; distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large calyx of similar color, the whole resembling a cup and saucer.

**In Separate Colors.** Pink, blue, white and purple. Pkt. 10c.

**FINEST MIXED.** Pkt. 10c.

**ANNUAL CANTERBURY BELLS** (a). Gold Medal, All-America Selections 1933. We have all wished for a Canterbury Bell that would not occupy the ground for so long before it flowered. When planted from seed, loads itself with flowers in less than five months, in colors the same as the biennial type, including the various shades of blue, pink, rose, and white.

**FINEST MIXED.** Pkt. 10c.

## CASTOR BEAN (See Ricinus)

## CELOSIA, Cockscomb (a)

Very attractive and showy, somewhat tender annual, producing massive heads in rich shades of crimson and yellow flowers. Should be started in hot beds and transplanted to rich soil after warm weather comes. Set plants a foot or more apart.

**CRISTATA.** Choice mixed; height, 9 to 18 inches. Pkt. 10c.

**PLUMOSA** (Improved Feather Type). Choice mixed; height, 2 feet. Pkt. 10c.

## CENTAUREA

Particularly well adapted for border planting. The types cultivated for their flowers have bulging calyxes from which many finely cut petals expand. Others have a downy growth on their leaves, making the foliage quite ornamental. All of them are of easy culture from seed.

**CORNFLOWER, JUBILEE GEM.** Silver Medal, All-America Selections 1937. A dwarf variety of Cornflower making a compact plant literally covered with flowers. About 12 inches in height. Easy to grow. Admirable as a border plant. A fine cut flower. It may be sown outside in the autumn for spring flowering, or in the spring for summer flowering. Pkt 15c.

**CYANUS DOUBLE** (a). (Bachelor Button). This superb class of Cornflowers produces handsome, large double blooms, effective out-of-doors and in bouquets. Height, 2 to 3 feet.

**BLUE BOY.** Pkt. 10c.

**PINKIE.** Pkt. 10c.

**MIXED.** Pkt. 10c.

**SWEET SULTAN** (a). These beautiful long stemmed flowers with their soft velvety heads make very enchanting bouquets. They measure 2 to 2½ inches across while the entire plant stands about 2½ to 3 feet tall. You can grow them readily in any fair garden soil, and your friends are sure to admire them.

**MIXED.** Pkt. 10c.

## CARNATION, Dianthus Caryophyllus (p)

Few flowers surpass in beauty of form or delicious fragrance, the richly hued Carnation. The plants are branching but compact, and the handsome blossoms are produced on blue-green stems that are stiff but slender. The double flowers with their thick waxy petals are spicily scented.

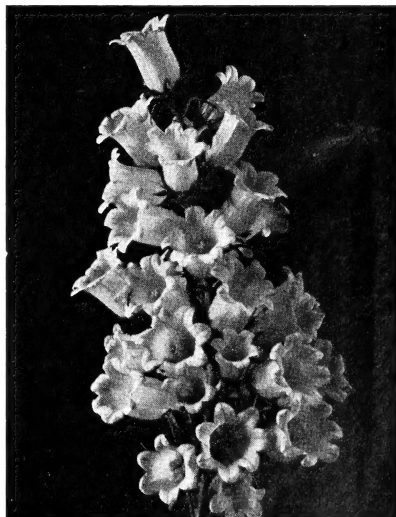
**CHABAUD GIANT.** 18 inches. This variety blooms six months after seeding and continues throughout the Summer. The plants, robust and erect, supply handsome, double, clove-scented flowers of extra large size.

**MIXED.** Pkt. 10c.

## CANDYTUFT (a)

Valuable for masses and edging, and considered indispensable for cutting. Seed sown in April flowers in June; successive sowings should be made at intervals. Hardy and easy to grow, blooming profusely. Height, 1 foot.

**UMBELLATA.** Pink, white, red, lilac and mixed. Pkt. 10c.



CAMPANULA (CANTERBURY BELLS)

# ANNUAL AND PERENNIAL FLOWER SEEDS

## CARDINAL CLIMBER (ac)

Graceful climber with cardinal-scarlet blooms 1 to 1½ inches in diameter. Rich, glossy, dark green foliage. Grows 15 feet tall and is in bloom all Summer.

**IPOMOEA CARDINALIS.** Pkt. 10c.

## CLARKIA (a)

An annual, flowering in July, which should be far more widely known. It is of easy cultivation, graceful in habit of growth, and lends itself as well to bedding as for cutting. Flowers in long racemes which open in water when cut.

**ELEGANS.** Double. Choice mixed. Height, 2 feet. Pkt. 10c.

## COCKSCOMB (See Celosia)

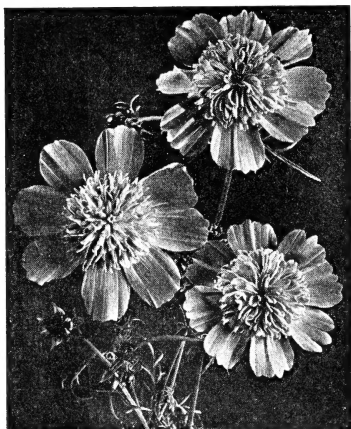
## COLUMBINE (See Aquilegia)

## COREOPSIS (p)

One of our most popular perennials; the attractive flowers are borne in great profusion and are excellent for cutting. Height, 3 feet.

**GRANDIFLORA DOUBLE SUNBURST.** Much of the beauty of early Summer gardens is due to the brilliant golden yellow of Coreopsis plantings. The double flowers are large, 1½ to 2 inches across, deep golden yellow, and are excellent for cutting as well as for garden decoration. Fine keepers; plants are easy to grow. Pkt. 15c.

## CORNFLOWER (See Centaurea)



CRESTED COSMOS

## COSMOS (a)

No garden is complete without Cosmos. These old favorites supply a gorgeous, colorful effect during late Summer and Fall. Fine for cutting as the flowers last well in water. Cosmos are easy to grow.

**SENSATION PINKIE.** The finest new development in Cosmos. Flowers very large, as much as 5 inches in diameter, with broad, heavy fluted petals, slightly overlapped. Ideal for cut flowers. Sturdy plants 3 to 4 feet high, producing flowers 8 to 10 weeks from seed. Pkt. 15c.

**SENSATION PURITY.** Purity is the glistening white Cosmos in the Sensation type as Pinkie is the delightful rose pink shade. Pkt. 15c.

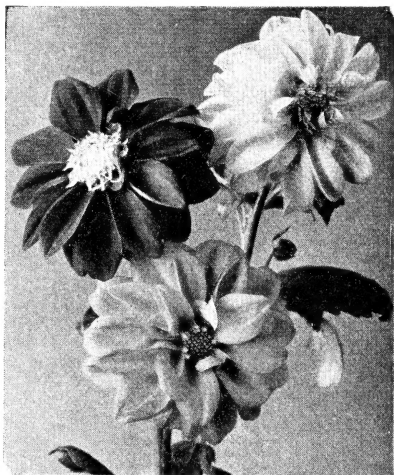
**SENSATION MIXED.** Pkt. 15c.

**ORANGE RUFFLES.** Semi-double. A worthy and new semi-double Orange Flare type Cosmos. Vivid and intense golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored large blossoms. Free blooming, early flowering. Grows to a height of 3 to 4 feet; remain in full flower almost indefinitely if blossoms are

kept picked when matured. Cosmos Orange Ruffles will add immensely to the beauty of any garden and is a perfect subject to heighten the beauty of an edging row of Nierembergia, Purple Robe. Pkt. 25c.

**EARLY DOUBLE CRESTED.** Showy plants, 3 to 4 feet tall, covered with a mass of lovely, large flowers. Our strain produces a large percentage of double blooms.

**MIXED.** Pkt. 15c.



UNWINS DWARF HYBRID DAHLIAS

## DAHLIAS (From Seed) (rp)

**UNWIN'S DWARF HYBRIDS, IMPROVED.** This is an improved strain of this popular flower. They grow from 18 inches to 2 feet tall and come in many delightful shades. We offer an improved strain which gives you a wider assortment of choicer colors. Produces a high percentage of doubles from seed. Mixed colors. Pkt. 10c.

**COLTNESS DWARF HYBRIDS.** A very dwarf variety for bedding. This strain produces many beautiful pastel shades and a high percentage of single flowers. The finest of the Dahlias for cutting. Growing the miniature Dahlias from seed is becoming a popular garden practice. Mixed colors. Pkt. 10c.

## DIANTHUS, Pinks (a)

A charming class of annual flowers for beds, borders, edgings, and cutting. The dwarf, rather compact plants average 1 foot in height. Of easiest culture, succeeding in ordinary garden loam. Blooms from July until frosts.

**HEDDEWIGII LACINIATUS DOUBLE MIXED.** Superb flowers rivaling the Carnation in size and doubled blossoms. Excellent for bouquets. Pkt. 10c.

**HEDDEWIGII SINGLE MIXED.** Large finely marked flowers having fringed petals. Pkt. 10c.

## DIANTHUS BARBATUS (See Sweet William)

## DIGITALIS, Foxglove (b)

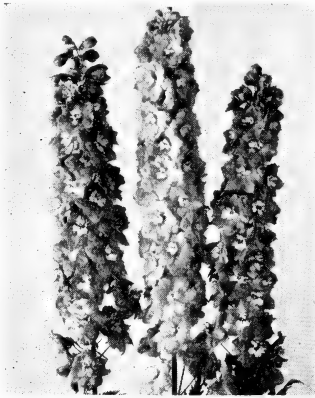
This ornamental hardy plant is used extensively for naturalizing in shrubby borders and along the edges of woods. It grows well under almost all conditions, giving a wealth of bloom during June and July. Height, 4 to 6 feet.

**GLOXINIAEFLORA.** This is an improved strain of the ordinary Foxglove, with handsome spotted Gloxinia-like flowers on long spikes. **Mixed Colors.** Pkt. 10c.

# ANNUAL AND PERENNIAL FLOWER SEEDS

## DELPHINIUM (p)

One of the greatest charms of hardy Larkspurs is in their shades of blue which range from soft rosy lavender to violet and deepest indigo. The dwarfs are valuable in the border while the magnificent tall varieties are stately and beautiful in front of a shrubby background. Above the deeply cut dark green leaves rise long floral spikes. Height, 1 to 8 feet.



PACIFIC HYBRID DELPHINIUMS

**PACIFIC HYBRIDS.** A new strain of Delphiniums originated on the Pacific Coast to grow under Pacific Coast conditions. Huge flowers, 2½ to 3½ inches in diameter, beautifully spaced on well-balanced tall spikes. Highly resistant to mildew. Color range excellent and comes practically 100% double florets. In separate colors: **White, dark blue and light blue shades.** Each pkt. 30c.

**TALL HYBRIDS.** Handsome sorts adapted to backgrounds. Plants grown from early sown seed will flower late the first season, but reach their full development the second year and thereafter. Height, 5 feet.

**BELLAMOSUM.** Rich, deep and intense blue. Pkt. 10c.

## DIMORPHOTHECA, African Golden Daisy (a)

The plants are of branching habit, growing about 15 inches high. An easily cultivated annual.

**AURANTIACA HYBRIDS.** The flowers are equally large, but vary in color from the purest white to yellow, orange and rich salmon shades, many being zoned with several of these colors around the black disk. Pkt. 10c.

**ORANGE IMPROVED.** Pkt. 10c.

## ESCHSCHOLTZIA, California Poppy (a)

The state flower of California and one of the most attractive low growing annuals. The foliage is finely cut, fern-like, and silvery green in color. They start to bloom in a few weeks after the seed is sown. Height, 12 to 18 inches.

**GRANDIFLORA HYBRIDS.** Large flowering varieties in the most exquisite shades of gold, copper, bronze, scarlet, purple and crimson. **Mixed Colors.** Pkt. 10c.

**RAMONA HYBRIDS.** A new strain containing many lovely shades. The plants grow compact and upright, with flowers beautifully frilled. **Mixed Colors.** Pkt. 10c.

**DOUBLE ESCHSCHOLTZIA.** The flowers are like little silken flags, beautifully fluted and crinkled, double and semi-double. The colors are yellow, orange, salmon. **Mixed Colors.** Pkt. 10c.

**AURANTIACA, ORANGE.** The ordinary California poppy. Pkt. 10c.

## EVENING PRIMROSE, *Oenothera* (b)

A twilight blooming plant. Flowers of brilliant yellow are often 3 inches across. Clusters of them decorate the tops of upright spikes which are arranged in the form of a candle-labra. Height, 2 to 6 feet.

**LAMARCKIANA.** Pkt. 10c.

## FLAX (See Linum)

## FOUR O'CLOCK, Marvel of Peru (a)

A favorite showy annual for beds and borders. Excellent for planting in front of the porch or alongside the house. The plants bloom freely from July until frost.

**TALL, MIXED.** 2 feet tall, in many fine colors. Pkt. 10c.

## FOXGLOVE (See Digitalis)

## GAILLARDIA, Blanket Flower

Tones of orange, yellow, red, and maroon, often beautifully combined in a single blossom, make these flowering plants gay ornaments of the garden all Summer. Height, 1 to 2 feet.

**SINGLE MIXED (a).** Large daisy-like blossoms of yellow and bronze with central cones of yellow. Pkt. 10c.

**DOUBLE MIXED (a).** Globular heads of tubular florets in shades of sulphur, orange, and claret. Pkt. 10c.

**GRANDIFLORA PORTOLA HYBRIDS (p).** Semi-double blooms of magnificent size and broad overlapping petals, golden tipped around glowing centers of bronzy red. Pkt. 15c.

## GEUM, Avena (p)

Beautiful hardy perennials, bearing profusely large, showy, double, dark crimson flowers all through the Summer. An elegant flower for bouquets. Height, 18 inches.

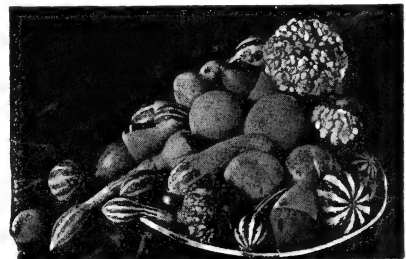
**LADY STRATHEDEN.** A new golden yellow with large full flowers of great beauty. Pkt. 10c.

**MRS. BRADSHAW.** Large, double, brilliant orange-scarlet. In flower throughout the entire summer. Pkt. 10c.

## GODETIA, Satinflower (a)

Very handsome annual plants especially suited for semi-shady locations. Sow in Spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form.

**TALL DOUBLE.** Long graceful spikes are decorated with double blossoms resembling satin pompons one above another. Height, 2 feet. **Pink, Crimson, Lavender, Thunderbolt and Choice Mixed Colors.** Pkt. 10c.



GOURDS, SMALL VARIETIES MIXED

## ORNAMENTAL GOURDS (ac)

Ornamental Gourds are easily grown in rich soil, where they will produce plenty of fruits. They may be trained on trellises and the ripened fruits used for ornaments.

**Large and Small Sorts Mixed.** Pkt. 10c.

# ANNUAL AND PERENNIAL FLOWER SEEDS

## **GYPHOPHILA, Baby's Breath**

Pretty, free-flowering annuals and perennials. Their misty white panicles are largely used for mixing with other cut flowers. Height, 1 to 3 feet.

**ELEGANS GRANDIFLORA** (a). London Market Improved. An improved annual strain with single large pure white flowers. Sow at intervals for a supply of flowers throughout the Summer. Height, 2 feet. Pkt. 10c.

**ELEGANS CARMINEA**. A deep rose colored form of above. Pkt. 10c.

**PANICULATA WHITE** (p). Hardy perennial with sprays of tiny rose-shaped blooms. If cut before the flowers are fully opened, sprays can be used in winter bouquets. Height, 3 feet. Pkt. 10c.

**DOUBLE WHITE** (p). Each flower double, pure white. Excellent for dry bouquets if cut and treated like the single variety. Good cut flower. Pkt. 15c.

## **HELICHRYSUM, Straw Flower (a)**

The finest of all Everlastings. They make unusually fine Winter bouquets if cut when partially opened and dried slowly in a cool place, heads downward to keep the long stems straight. The centers of the double pompon-like flowers are nearly covered by the stiff overlapping petals. A wide range of brilliant and soft colors. Height, 2 to 3 feet.

**FINEST MIXED**. Pkt. 10c.

## **HOLLYHOCK, Althaea (p)**

The beautiful color effects produced by the planting of these flowers, render them indispensable for the old-fashioned garden or the herbaceous border. Height, 6 to 12 feet.

**INDIAN SPRING**. Silver Medal, All-America Selections, 1939. Semi and double flowers of bright rose and rosy carmine. Its many flowered branches produce a continuous show until frost. Flowers first year from seed. Pkt. 15c.  
**Single Mixed Colors**. Pkt. 10c.

**PERENNIAL HOLLYHOCKS**. Deep rose, salmon rose, scarlet, sunflower yellow, and white. Separate colors. Pkt. 10c.

## **HUNNEMANNIA, Mexican Tulip Poppy (a)**

Seed sown early in May will, by the middle of July, produce plants covered with their large buttercup yellow, poppy-like blossoms, and are never out of flower until hard frost. The plants grow 2 feet high, with beautiful feathery foliage.

**SUNLITE**. Award of Merit, All-America Selections. Semi-double, canary yellow. Pkt. 15c.

## **IBERIS (See Candytuft)**

## **ICELAND POPPY (See Poppy Nudicaule)**

## **IPOMOEA, Morning Glory (ac)**

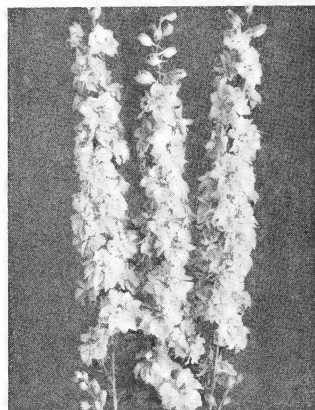
Climbers of rapid growth, with beautiful and varied flowers. For covering walls, trellises, arbors, they are invaluable.

**SCARLETT O'HARA**. Gold Medal, All-America Selections 1939. An entirely new color in the popular Morning Glories—rich dark wine red or deep rosy crimson. Flowers 4 inches in diameter, freely produced on fast growing vines. Very showy for covering a fence or trellis. The dark green foliage does not make a heavy growth, leaving plants graceful in appearance. Pkt. 15c.

**CORNELL**. New. A very free-flowering variety with extra large flowers of bright red. Each flower has a narrow outer border of glistening white. Pkt. 15c.

**HEAVENLY BLUE**. A variety that is bringing new popularity to Morning Glories. It is an early blooming climber, literally covered with lovely flowers of sky-blue. Flowers 2½ inches across and blooms until frost. Pkt. 15c.

**MIXED IMPERIAL JAPANESE**. These are beyond question the handsomest of all Morning Glories. The flowers are of gigantic size and their colorings beyond description. Pkt. 10c.



LARKSPUR, GIANT IMPERIAL  
CORAL KING

## **LARKSPUR (a)**

Annual Delphiniums are adorned with finely cut, feathery foliage which set off to advantage the handsome long floral spikes of double blossoms. The colors range from pure white through soft shades of lavender and pink to deep blue.

**GIANT IMPERIAL**. Tall, upright, compact, basal branching in habit, the Giant Imperials have superseded all other types of Larkspurs for general garden use. Their delphinium-like spikes of double florets are carried on stout stems 4 to 5 feet.

**WHITE KING**. Special Mention, All-America Selections, 1937. The flowers are a pure, glistening white, with extremely large double florets, sometimes measuring 2 inches across, evenly spaced on the stem. Early, the finest Larkspur. Pkt. 10c.

**CORAL KING**. Coral King was a running mate to White King for All-America recognition. It has the same form and size and is different only in color—a beautiful coral pink. Pkt. 10c.

**BLUE SPIRE**. Very deep violet blue. Outstanding blue. Pkt. 10c.

**PINK PERFECTION**. The 2-inch florets of rounded broad petals are evenly and closely spaced on the stem, giving a very heavy Hollyhock-like cutting spike 24 inches or more in length. Plants are tall, basal branching upright in habit and very free flowering. Color is a very luscious shade of lively light pink. Pkt. 10c.

**FINEST MIXED**. Pkt. 10c.

**TALL DOUBLE STOCK FLOWERED**. A strikingly tall variety with lateral branches which produce many fine spikes.

**ROSAMOND**. Gold Medal Winner, All-America Selections, 1934. Exceptionally uniform in habit, bearing bright rose flowers that hold their color. Is two weeks earlier than other varieties. Pkt. 10c.

**FINEST MIXED**. Pkt. 10c.

## **LINARIA, Miniature Snapdragon (a)**

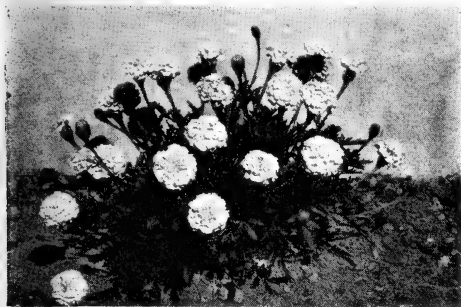
This interesting species bears flowers which resemble miniature Snapdragons ending in single elongated spurs. It includes both trailing and erect growing varieties which are little known but worthy of greater attention. Height, 8 to 18 inches.

**MAROCCANA MIXED**. This is an erect sort with finely cut foliage and with blossoms clustered on upright spikes. The colors which are varied embrace many shades of crimson, orange, and blue. The plant is in flower within two months. Pkt. 10c.

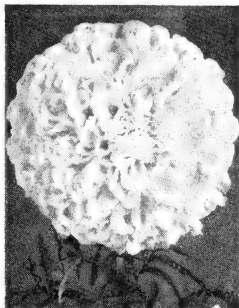
a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.



# ANNUAL AND PERENNIAL FLOWER SEEDS



MARIGOLD, YELLOW PYGMY



GIGANTEA, DOUBLE ORANGE



NIEREMBERGIA, PURPLE ROBE

## LINUM, Crimson Flax (a)

**GRANDIFLORUM RUBRUM.** An old favorite with large, rich crimson blooms borne profusely on plants growing 18 to 24 inches tall. Though the flowers last only one day, new ones appear every morning. Pkt. 10c.

## LOBELIA (a)

A dainty and continuous blooming annual of compact growth, remarkable for its profusion of beautiful blue flowers. Unexcelled for edging, ribbon beds, hanging baskets or window boxes. Height, about 6 inches.

**COMPACTA, CRYSTAL PALACE.** Erect and very free blooming. Best dark blue for edging. Fine for pots. Pkt. 10c.

**HYBRIDA PENDULA SAPPHIRE.** A trailing annual useful in pots and flower boxes where it can trail over the edge and display its beautiful deep blue, white-eyed flowers. Pkt. 10c.

## LUPIN, Sun Dials

Thrive in almost any situation. Sow where they are to bloom in May, and as plants grow, thin out to 1 foot apart. The annual varieties bloom freely from June until September, and the perennials make a fine addition to the hardy border.

**RUSSELL LUPINS.** Long, closely furnished spikes flower in a great variety of rich colors—deep yellows, oranges, reds, and brilliant bi-colors never seen in Lupins before. The florets are large with a flat fan-like back-standards, and unlike all other Lupins, most of the spikes retain their florets throughout the



RUSSELL LUPINS

whole period of development. Awarded the Royal Horticultural Society's Gold Medal, June, 1937. Pkt. 30c.

**HARTWEGII, ANNUAL, MIXED.** 2 feet high. All shades and colors. Gorgeous. Pkt. 10c.

## MARIGOLD (a)

Late in the season when many other growing things are past their prime, these plants supply an abundance of decorative blossoms. Their tones of orange and yellow blend well when the flowers are arranged loosely in bowls and vases. The bright green foliage is finely cut, and the stems are stout. Tall Marigolds give charm to the border, while the dwarfs are valuable for bedding and edging plants.

**SPRY.** The most profuse blooming of all Marigolds. Extremely dwarf and compact, their maximum height being 9 inches and their spread 15 inches. Flowers resemble those of the popular favorite "Harmony" in that they are composed of a pin-cushion crest. Center bright, clear yellow and guard petals are a lovely contrasting mahogany-red. Pkt. 25c.

**MINIATURE, YELLOW PYGMY.** Honorable Mention. All-America Selections, 1940. Light lemon yellow. Lilliput French double type, growing only 8 inches tall and compact. Small, 1 1/4 inches, blooms rather free. Excellent for edging and potting. Pkt. 10c.

**GIGANTEA, FULL DOUBLE ORANGE.** A distinct new color; flowers average 5 inches and over in diameter. Loosely formed, very full centered, with broad, heavy wavy petals which gracefully overlap. Color is a deep, rich, lively orange, one of the most admired shades found in the Sunset Giants. And ideal cut flower. Height, 3 feet. Pkt. 15c.

**GIGANTEA, FULL DOUBLE MIXTURE.** Very showy, fragrant, and of exceptional size. Flowers are largest ever known in Marigold group, averaging 5 to 7 1/2 inches. A mixture ranging from deep orange through golden orange, deep golden yellow, light yellow, lemon yellow, and a delightful new shade of primrose. Pkt. 10c.

**FERDINAND.** Saucy, sprightly, and colorful. Single flowered with a neat, crested center of dainty tubular florets in an arresting shade of golden yellow surrounded by a single row of broad, mahogany-red guard petals. Although the flowers are of medium size, they are extremely showy, and make a fine cut flower subject. Early blooming. Pkt. 10c.

**AFRICAN TALL DOUBLE** (Tagetes erecta). Very large globular flowers composed of compact tubular or quilled petals. The stems should be cut carefully to avoid the somewhat disagreeable odor when bruised. Height, 2 1/2 feet.

**ORANGE PRINCE.** Rich, deep orange. Pkt. 10c.

**LEMON QUEEN.** Clear lemon-yellow. Pkt. 10c.

**MIXED.** Pkt. 10c.

**GUINEA GOLD** (African). Carnation-like petals and unusually brilliant golden color makes this flower outstanding among Marigolds. It lacks much of the pungent odor of other Marigolds. The plant blooms very freely. Height, 2 feet. Pkt. 10c.

**YELLOW SUPREME.** Gold Medal, All-America Selections, 1935. It is a companion flower to Guinea Gold. The color is a delightful light lemon yellow, flowers medium sized, loosely ruffled. Free-blooming, 2 feet tall. Pkt. 10c.

# ANNUAL AND PERENNIAL FLOWER SEEDS

**DWARF FRENCH, DOUBLE, MONARCH STRAIN.** Award of Merit, All-America Selections, 1934. An excellent variety for low borders. A very compact type, with large double flowers, in a wide range of colors, in combination of orange, bronze, yellow and mahogany.

**FINEST MIXED.** Pkt. 10c.

**DWARF FRENCH DOUBLE HARMONY.** Without question one of the very finest Marigolds introduced. Flowers charming and distinct. Scabiosa-like in formation with tubular deep orange center petals flanked by broad velvety dark maroon-brown guard petals. Plants are dwarf, about 1 ft. high, compact, free blooming. Extremely early and most attractive for cutting. Pkt. 15c.

**DWARF ROYAL SCOT, ALL-DOUBLE.** Special Mention, All-America Selections, 1937. Royal Scott is a new achievement in Marigolds, new in color and new in that it is dwarf and double. Its growth is dwarf and bushy, every plant of a uniform shape and height of about 10 to 12 inches. Color is a rich mahogany and gold in uniform stripes. Pkt. 10c.

**SIGNATA PUMILA LITTLE GIANT.** The smallest of all Marigold plants growing only 6 inches high with large golden yellow flowers. Pkt. 10c.

**MARVEL OF PERU** (See Four-o'clock)

**MORNING GLORY** (See Ipomoea)

**MOSS ROSE** (See Portulaca)

**NEMESIA** (ra)

This plant is excellent for edging purposes. Plants send up many slender stalks crowned with fairy-like flowers, something like the Schizanthus. When the flowers fade they may be trimmed back and will bloom again. Their colors run from the brightest reds, yellows, oranges, to the brightest blues and purples. Height, 6 to 12 inches.

**COMPACTA TRIUMPH, FINEST MIXED COLORS.** Pkt. 10c.

**NICOTIANA, Flowering Tobacco** (a)

Stately plants producing large, trumpet shaped, blooms until frost. Fine for beds and borders. Height, 2 to 5 feet.

**AFFINIS HYBRIDS, MIXED COLORS.** Pkt. 10c.

**NIEREMBERGIA HIPPOMANICA** (ra)

**NIEREMBERGIA, PURPLE ROBE.** Bronze Medal, A. A. S. 1942. Few flowers of recent introduction have taken so quickly and thoroughly with the gardening public as the little Dwarf Nierembergia Hippomanica. A very rare criticism of Hippomanica has, however, been the fact that it tends to fade to a very light unattractive color during the heat of summer. To offset this criticism we are this year introducing Nierembergia, Purple Robe, a very fine deep violet-purple shade. Purple Robe maintains its deep color even in full sun and does not fade in the hottest climate. The plant is a neat compact extremely free-flowering one; is only 6 inches tall, with a mature spread of some 10 to 12 inches. A half-hardy perennial, Purple Robe blooms the first year from seed, but must be sown early indoors, for it takes 15 weeks from seeding to flowers. Purple Robe bids fair to become one of the most widely used and universally admired edging or rockery plants. Pkt. 25c. See front inside cover.

**NASTURTIUM** (a)

Few garden annuals respond with as little care as the Nasturtium. For ease of culture, duration of bloom, brilliancy of coloring, they are unexcelled. All they need is a moderately good soil, in a well drained, sunny position and within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms.

**GOLDEN GLEAM.** Plant forms a vigorous large bush which throws out short runners, averaging 18 inches. The sweet scented, large double flowers are golden yellow and average 2 to 3 inches across. Pkt. 10c.

**SALMON GLEAM.** Glittering salmon. Pkt. 10c.

**SCARLET GLEAM.** A sister of Golden Gleam. Its semi-double blossoms are similar in size and shape to those of the popular golden Nasturtium. Rich, dazzling scarlet. Sweet scented. Fine for cutting. Pkt. 10c.

**GLORIOUS GLEAM HYBRIDS.** Award of Merit, All-America Selections, 1935. Delightfully sweet scented; double. Color range includes brilliant blend of salmon, golden yellow, orange

scarlet, cerise, cream, orange, maroon and crimson shades, and many spotted varieties.

**MIXED COLORS.** Pkt. 10c.

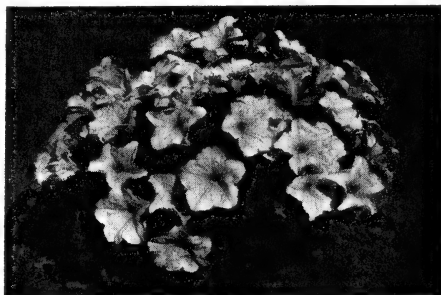
**DWARF DOUBLE GOLDEN GLOBE.** Award of Merit, All-America Selections, 1936. Vivid golden yellow, identical in color to Golden Gleam. Plants uniformly dwarf and compact, and bear great quantities of semi-double sweet scented flowers. Excellent for edging and window boxes. Pkt. 10c.

**DWARF DOUBLE GEM MIXTURE.** Novelty introduction, 1935. An evenly balanced range of colors on dwarf, compact gem-like plants. Ideal annual for border and edging use. Plants are dwarf and compact, totally without runners.

**MIXED COLORS.** Pkt. 10c.

**TALL OR CLIMBING NASTURTIUMS.** For covering trellises, fences, arbors, piazzas, trailing from vases, over rock-work, etc., nothing can equal their great quantities of bloom from early Summer until frost. The seed pods can be gathered while green and tender for picking. Height, 8 to 10 feet.

**FINEST MIXED.** Pkt. 10c.



DWARF BEDDING, CREAM STAR

**PETUNIA** (a)

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the Spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained, the coarse growing plants frequently reverting to the common types.

**CREAM STAR.** Silver Medal, All-America Selections, 1940. Flowers shaped like a five-pointed star; soft creamy white, deepening towards the throat to a bright golden yellow. The entirely distinct color with the uniformity and compact habit of the plants, as well as their profusion of bloom, makes Cream Star Petunia ideally suited for low beds. Plants bloom about 20 weeks after seed is sown. Pkt. 25c.

**HOLLYWOOD STAR.** Silver Medal, All-America Selections, 1939. A charming shade of rich rose with amber throat. Unique in form of flower which consists of a five-pointed star. Pkt. 25c.

**PETUNIA HYBRIDA NANA COMPACTA.** 1 foot. A fine type of Petunia for small beds and borders; often used for pot culture. This Petunia holds its habit very well throughout the blooming season.

**HEAVENLY BLUE** (Silver Blue). Enchanting shade of light silvery blue. Dwarf. Pkt. 15c.

**ROSE OF HEAVEN.** The flowers are a deep rich rose on neat compact plants, 6 inches high. Each flower is 2 inches in diameter. Pkt. 10c.

**MIXED. ALL COLORS.** A very decorative show may be had by sowing these broadcast. Pkt. 10c.

**SINGLE BALCONY PETUNIAS**

A splendid large and free-flowering type for window boxes, vases, hanging baskets, etc. The flowers average 3 inches across.

**DEEP BLUE.** Certificate of Honor, Royal Horticultural Society, 1935. Pkt. 15c.

**ROSE.** Rich fiery rose. Pkt. 15c.

**WHITE.** Award of Merit, Royal Horticultural Society, 1935. Pkt. 15c.

**MIXED COLORS.** Pkt. 15c.

# ANNUAL AND PERENNIAL FLOWER SEEDS



SUPER FLUFFY RUFFLES

## GRANDIFLORA SINGLE FRINGED

**THEODOSIA.** Soft rosy pink with contrasting veined golden yellow throat. An outstanding variety in this class. Pkt. 25c.

## RUFFLED GIANTS OF CALIFORNIA

**SUPREME STRAIN.** A new strain of rose and pink shades, light, richly-veined throats surrounded by satiny petals which are heavily ruffled. Large blooms, 5 to 7 inches in diameter, produced on strong, richly-foliaged plants. Excellent bedding variety; fine window box type. See illustration on front cover. Pkt. 25c.

## DOUBLE VARIETIES

We offer the finest strain of double Petunias and suggest that seed be started indoors in boxes or pans. The small, crumpled seedlings will give the finest flowers.

**CHOICE MIXED COLORS.** Pkt. 35c.

## PETUNIA MINIATURE (Dwarf Compact Varieties)

**ROSY MORN.** Soft rose-carmine-pink with a white throat. Dwarf and close-growing. Pkt. 10c.

**PETUNIA, SUPER FLUFFY RUFFLES.** A new ruffled and frilled type of Petunia that has the appearance of being almost double. Practically 100% true. Flowers are very large with a deep throat. The mixture is well-balanced with shades of pink and white, salmon, salmon-pink, deep rose, rose, crimson, and light blue. Pkt. 25c.

## PANSY, Heart's Ease (b)

When the bright hues of the Tulips and Daffodils have faded, the rich, deep and varied shades of the Pansies provide a welcome change in the flower beds. The varieties listed produce large blooms of good substance, regular markings, and full rich colorings. Low growing.

**VAUGHAN'S.** Long stemmed winter flowering mixed. Reselected strain. Pkt. 20c.

**STEELE'S MASTODON.** A vigorous Oregon type, particularly desirable for cutting as the plants are taller and have longer stems. Esteemed for bedding. A fine blend for bright effects. **FINEST MIXED.** Pkt. 25c.

**POPULAR BEDDING MIXTURE.** These are the popular saucy-faced beauties that everybody loves, comprising the finest varieties in all colors. Pkt. 10c.

## PAPAVER (See Poppy)

## PHLOX DRUMMONDI (a)

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about 1 foot high, thrive in practically any soil if given a sunny location



PANSIES

and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in Spring.

**GIGANTEA, RED GLORY.** Here is the brightest color that we have ever seen in phlox. The color is a brilliant red with a large creamy white eye which seems to intensify the red into an unbelievable sharpness. Florets often as large as a half dollar. Pkt. 25c.

**GRANDIFLORA.** Comes in a grand mixture of fine colors. Pkt. 10c.

**GIGANTEA ROSY MORN.** A gay and bright color combination of rose pink with a white eye. Similar to the color in Petunia Rosy Morn except that it is much deeper and does not sun fade. Bronze Medal, All-America Award, 1941. Pkt. 20c.

**DECUSSATA.** Mixed. 2 to 3 feet. From a superior collection of large flowering sorts. Perennial Phlox do not come true from seed and can be had only from mixture. As a result of this one may experience many thrills from a packet of seed. Pkt. 10c.

## PORTULACA, Moss Rose (ra)

Brilliant hardy annual, of easy culture; excellent for massing in beds, edging or rock work, thriving best in a light, sandy soil and a sunny situation. Flowers of the brightest colors. Height, 6 to 10 inches.

**DOUBLE MIXED.** Pkt. 15c.

**SINGLE MIXED.** Pkt. 10c.

## PINKS (See Dianthus)

## POPPY, Papaver

Annual Poppies should be sown as early as possible in the Spring where they are to remain as they do not transplant readily. Mix the seed with builders' sand, using about 25 times as much sand as seed, then broadcast seed on surface of the ground and firm well. Plants should be thinned out to 6 inches apart for best results. Seed may be sown in rows also and in succession up to the middle of May.

**SWEET BRIER (Double Annual Shirley).** Full double Begonia-like flowers of a beautiful deep rose-pink. One of the finest strains of double Shirleys for the garden. Pkt. 10c.

**ALL-DOUBLE FLOWERED.** Improved strain of all-double Begonia-type flowers. Range of colors from light pink to dark crimson with fair sprinkling of Picotee types in scarlet and vermilion shades. One of the most excellent flowers for mid-summer blooms and for cutting. Pkt. 10c.

**SINGLE MIXED.** A superb blend of this beautiful type of Poppy ranging in color from pure white through tones of salmon, pink, and rose to brightest carmine-red. Pkt. 10c.

# ANNUAL AND PERENNIAL FLOWER SEEDS

**NUDICAULE** (p) (Iceland Poppy). A hardy Poppy slightly resembling the Shirley. Somewhat different in habit and contains many shades of yellow and orange. Height, 18 inches.

**IMPERIAL JEWELS, MIXED.** The finest strain of mixed colors in Iceland Poppies. The colors are well balanced. Large flowers grow on strong stems from 2 to 3 feet high. Pkt. 15c.

## **PYRETHRUM, Painted Daisy (p)**

This plant is cousin to the Chrysanthemum and Matricaria and should play an important part in many a well planned garden. Height, 1 to 2 feet.

**SINGLE MIXED.** Radiating petals in many tones of rose and red about a golden center. Pkt. 10c.

## **RED HOT POKER (See Tritoma)**

## **RICINUS, Castor Bean (a)**

Magnificent, tall, large-leaved plants of tropical appearance, succeeding in a warm, sunny location. Beautiful for large foliage groups and background. Height, 10 to 12 feet.

**MIXED VARIETIES.** Pkt. 10c.

## **RUDBECKIA, Cone Flower (a)**

**KELVEDON STAR.** Deep golden yellow with deep mahogany zones, and dark brownish central disc. Long stems. Pkt. 15c.

## **SALPIGLOSSIS, Painted Tongue (a)**

For delicate grace, richness of coloring, and velvety texture, the regal Salpiglossis has practically no equal. From a low base of leaves rise slender wiry stalks which bear one or more large Lily-like flowers in a magnificent range of colors. Height, 1 to 2½ feet.

**LIGHT BLUE AND GOLD.** Pkt. 10c.

**ROSE CRIMSON AND GOLD.** Pkt. 10c.

**PURPLE AND GOLD.** Pkt. 10c.

**SUPERB MIXED.** Pkt. 10c.

a, annual; b, biennial; c, climber; p, perennial; ra, rock plant annual; rp, rock plant perennial.



SCABIOSA, BLUE MOON

## **SCABIOSA, Pincushion Flower (a)**

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are very popular. Seeds should be sown any time in the Spring after danger of frost is past.

**SALMON BEAUTY.** Pure salmon with huge flowers. Vigorous. The stems are long and stiff, making it a most popular flower for the garden or for cutting. Pkt. 15c.

**IMPERIAL GIANTS, BLUE MOON.** Honorable Mention, All-America Selections, 1939. An entirely different and improved flower and plant from the existing Scabiosa varieties. Fully double extremely large and deep. Petals broad, heavy, and wavy, entirely eliminating the pincushion center, rich deep lavender blue. Tall growing and very upright with long, wiry, heavy stems in which the weak neck of the older types is completely eliminated. Ideal for cutting. Pkt. 15c.

**GIANT HYBRIDS, MIXED.** Pkt. 10c.

## **HARDY PERENNIAL VARIETIES**

**CAUCASICA.** Giant Hybrids (Isaac House Strain). Fringed and ruffled, shades of blue from lavender to dark blue; very large flowers. Pkt. 15c.

## **SCHIZANTHUS, Butterfly Flower (a)**

One of our finest hardy annuals. Of easy culture in any good garden soil. Showy flowers of various colors, closely resembling some species of Orchids. Also useful as pot plants for late Winter and Spring; for this purpose sow in Autumn.

**BUTTERFLY MIXTURE.** Fine bright mixture, free flowering, compact pyramidal plants, 12 to 15 inches. Pkt. 10c.

## **SHASTA DAISY,**

### **Chrysanthemum Maximum (p)**

It is a hardy plant bearing large white, single blooms with handsome yellow centers. They are valuable for border decoration and especially pleasing in bouquets.

**DIENER'S DOUBLE.** A new Shasta Daisy of delicate double form. Diener's Double Shasta Daisy is of exquisite form, a strong grower and a welcome addition to this branch of the flower family. Pkt. 20c.

## **STOCKS, Gilliflower (a)**

These popular flowers are easily grown, are so highly fragrant, and of such great beauty that they deserve a place in every garden. The Early Giant Imperial class are half-hardy annuals. Beauty Stocks are biennials, but if sown in early Spring will bloom the same year. They are also valuable for Winter forcing.

**BEAUTY OF NICE.** It follows the Ten Weeks class in season of bloom. The plants are pyramidal in shape, branching above the base. Excellent for bedding and cutting. Height, 16 inches.

**FINEST MIXED COLORS.** Pkt. 10c.

**GIANT IMPERIAL.** Long stems and imposing spikes of large flowers make this the outstanding variety. It is about as early as Beauty of Nice and resembles it in habit, except that the plant is less spreading and taller. Height, 2 feet.

**YELLOW (BUTTERCUP).** Pkt. 10c.

**BLOOD RED.** (Pkt. 10c.

**ROSE.** Pkt. 10c.

**LAVENDER.** Pkt. 10c.

**WHITE.** Pkt. 10c.

**FINEST MIXED COLORS.** Pkt. 10c.

## **SNAPDRAGON (See Antirrhinum)**

## **STRAWFLOWER (See Helichrysum)**

## **SUNFLOWER (See Helianthus)**

## **SWEET SULTAN (See Centaurea)**

## **SWEET WILLIAM, Dianthus Barbatas (b)**

A well known, attractive, free-flowering hardy biennial, producing a splendid effect in beds and borders with their rich and varied flowers. Height, 10 to 20 inches.

**NEWPORT PINK.** Watermelon pink or salmony rose color. Very beautiful. Pkt. 10c.

**SCARLET BEAUTY.** Rich, deep scarlet. A rare color in hardy plants and very effective. Pkt. 10c.

**SINGLE VARIETIES, MIXED.** Pkt. 10c.

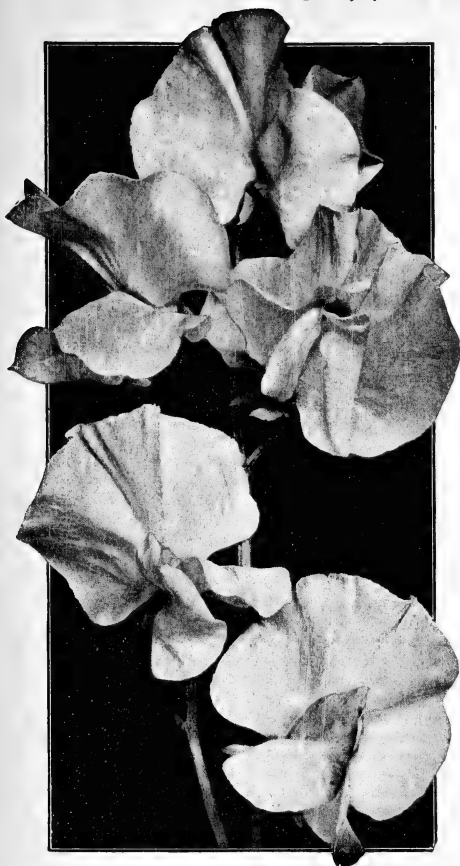
**DOUBLE VARIETIES, MIXED.** Pkt. 10c.

## **TRITOMA, Red Hot Poker (p)**

A perennial, not strictly hardy, but will live through the Winter with a protective covering of leaves or short manure; or the roots may be lifted and carried over Winter in sand in a cellar. Height, 4 to 6 feet.

**MIXED HYBRIDS.** Pkt. 10c.

# SWEET PEAS



## CULTURE OF SWEET PEAS

**CULTURE**—First and most important, plant as early in the spring as the conditions will permit. Seeds should be sown at the rate of one ounce to 15 feet. Make a trench about 3 or 4 inches deep, planting seeds in the bottom about 2 inches deep, pressing the soil firmly. After the plants are well up, thin to 4 or 5 inches apart and draw the soil around them until the trench is filled above the level. This gives a depth to the roots, preserving the moisture. Keep the ground well worked and water if needed, an occasional soaking down being better than a daily sprinkling. Keep the flowers cut close.

**FALL GROWING OF SWEET PEAS**—On well drained soils, fall planting of Sweet Peas brings greater satisfaction to the grower by producing larger blossoms on longer stems and through a longer season starting two or more weeks earlier. In early October, plant in trenches 8 to 10 inches deep, covering 2 inches putting on more earth as peas grow.

### BURPEE'S NOVELTY MIXTURE

There is a real fascination in growing this novelty mixture, as it includes all the finest new named Giant Sweet Peas in a wide assortment of exquisite colors. Grown separately and mixed according to color values.

½ oz. 15c; 1 oz. 30c.

## CHOICE MIXTURE

**FIELD GROWN.** A good mixture. ½ oz. 10c; 1 oz. 20c.

## GIANT SUMMER FLOWERING SPENCERS

**ALL COLORS.** Pkt. 10c; oz. 40c, postpaid.

**PINKIE.** Rose-pink with large and frilled flowers. This variety is seldom affected by weather conditions and first-class blooms can be cut all during its long blossoming period. Silver Medal.

**POWERSCOURT.** A clear pure lavender. Has been considered the best lavender for a number of years. It is still the most popular. The flowers are very pure in color.

**THE ADMIRAL.** Largest and best navy blue. The color is richer and deeper than Fortune. Award of Merit, Scottish National Sweet Pea Trials. Award of Merit, Royal Horticultural Society.

**CHINESE BLUE.** Chinese Blue is a solid, rich, deep blue without the objectionable fading out on the edges. The stems are long and bear four blooms throughout. Plants are strong and vigorous with a blooming season longer than that of the average Sweet Pea.

**AVALANCHE.** Immense glistening white flowers. The blooms are very frilled. White seeded.

**RED BOY.** The very best crimson. It is a first class Sweet Pea for all purposes, especially for general garden culture. Award of Merit.

**WELCOME.** By far the best and most brilliant, dazzling, scarlet Sweet Pea. For exhibition or gardens it is supreme. Absolutely sunproof. Silver Medal, Scottish National Sweet Pea Society.

## RUFFLED VARIETIES

**RUFFLED BEAUTY.** Lilac pink on amber. Pkt. 10c.

**RUFFLED BURPEE BLUE.** A very fine dark blue. Pkt. 10c.

**RUFFLED CARMINE.** Bright carmine rose. Pkt. 10c.

**RUFFLED CRIMSON.** Rich velvety crimson. A beauty. Pkt. 10c.

**RUFFLED EXQUISITE.** Salmon-cerise. Pkt. 10c.

**RUFFLED FLUFFY RUFFLES.** Light cream pink. Pkt. 10c.

**RUFFLED ORCHID.** Rich lavender-rose. Pkt. 10c.

**RUFFLED PRIMROSE.** Deep cream, black seeded. Pkt. 10c.

**RUFFLED PURPLE.** Rosy purple. Pkt. 10c.

**RUFFLED ROSE.** A very rich rose. Pkt. 10c.

**RUFFLED ROYAL RUFFLED (new).** Scarlet cerise. Pkt. 10c.

**RUFFLED WHITE.** Pure white, long stems. Pkt. 10c.

**RUFFLED MIXED.** A blend of the above colors. Pkt. 10c.

**APPLE BLOSSOM.** Lovely apple blossom pink shade.

**BARBARA.** Finest of the pure salmon varieties.

**CHEERIO.** Deep Begonia rose.

**CRINKLES.** Cerise pink suffused coral.

**FIERY CROSS.** Bright orange cerise.

**GRAND SLAM.** Cerise scarlet.

**GUINEA GOLD.** Cerise orange.

**MARY PICKFORD.** Dainty cream pink, suffused salmon.

**MISS CALIFORNIA.** Salmon cream pink.

**PICARDY.** Warm salmon pink.

**PINK FRILLS.** Rich salmon pink on cream.

**SALMON FANTASY.** Distinct new color on the flaked group, pleasing shade of salmon rose-pink set off by the white of the standard.

**SHIRLEY TEMPLE.** Delicate soft rose pink, fluted, long stems.

**SWEET LAVENDER.** Finest clear lavender.

**THE SULTAN.** Dark maroon.

# ANNUAL AND PERENNIAL FLOWER SEEDS

## VIOLA, Tufted Pansies (a)

**WALLER FRANKLIN FORMULA MIXTURE.** This blend of bright gay colors far surpasses any mixture of Violas we have seen. Bright shades of self colors of red, yellow, blue, and apricot combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture. Pkt. 15c.

## VIRGINIAN STOCKS, French Forget-me-nots (ra)

Small red, rose and white flowers about  $\frac{3}{4}$  inch across. Fine for edgings. For continuous display until Fall, several successive sowings should be made about two weeks apart. Height, 6 to 8 inches.

**MIXED COLORS.** Pkt. 10c.

## VERBENA (a)

One of the most popular garden annuals for beds and massing and for a gorgeous display during the Summer months cannot be excelled, commencing to flower in July and continuing until frost. Height, 6 to 8 inches.

**VERBENA HYBRIDA GRANDIFLORA CRIMSON GLOW.** Flowers are pure, self-colored, glowing crimson, wholly without even a small light eye. Individual florets of good size, although not as large as some other colors, such as pink and lavender. Pkt. 15c.

**FLORADALE BEAUTY.** Special Mention, All-America Selections, 1937. A giant hybrid, the flowers varying from bright rose-pink to deep rose-red of exceptionally brightness. Individual florets of perfect form, fully rounded, and average  $1\frac{1}{4}$  inches across; heads or trusses 4 to 5 inches across. Pkt. 15c.

**HYBRID GRANDIFLORA GIANT, MIXED SHADES.** Pkt. 10c.



## ZINNIA (a)

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the Summer and continue until frost.

**DOUBLE DAHLIA FLOWERED.**  $2\frac{1}{2}$  feet. Enormous double flowers are produced by robust branching plants. The flowers usually have slightly hollowed centers ringed with small tubular florets. The petals are quite loosely placed and tend to curl at the edges, giving the blossoms a crisp, fresh appearance.

**CRIMSON MONARCH.** Deep crimson, large flowers. Pkt. 10c.

**DREAM.** Deep rosy lavender. Pkt. 10c.

**EXQUISITE.** Light rose, deep rose centers. Pkt. 10c.

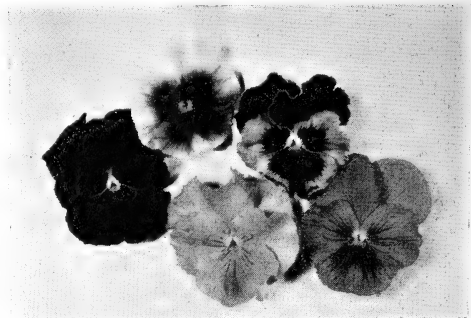
**CANARY BIRD.** Delicate shade of primrose. Pkt. 10c.

**ILLUMINATION.** Deep self rose. Pkt. 10c.

**ORIOLE.** Orange and gold bicolor. Pkt. 10c.

**POLAR BEAR.** White. Pkt. 10c.

**WILL ROGERS.** Bright scarlet. Pkt. 10c.



## WALLER FRANKLIN FORMULA MIXED VIOLAS.

**CALIFORNIA GIANTS.** This variety is taller than the Dahlia flowered type, 3 to 4 feet high, with long stems which make the flowers fine for bouquets. The blooms are large and flat and very graceful for their size.

**MIXED.** Pkt. 10c.

**FINEST MIXED SHADES.** Pkt. 10c.

**SUPER CROWN OF GOLD, PASTEL TINTS.** The finest large-flowered Zinnia, with large well formed flowers. Contains a wide range of pastel shades, including soft yellow, old gold, light pink, various shades of salmon, peach, and buff, cerise salmon, white, and cream, each petal overlaid at the base with deep golden yellow. Flowers are borne profusely throughout the season on strong, robust plants. Mixed shades. Pkt. 15c.

**FANTASY.** A new Zinnia type. Shaggy, medium-sized flowers on plants  $2\frac{1}{2}$  to 3 feet high. Free blooming. Excellent for cut flowers.

**WILDFIRE.** A rich, dazzling scarlet. Wildfire adds a distinct note of color and cheerfulness to the garden and will enliven any home when used in flower arrangements. Plants neat in habit, strong growing, and very free blooming;  $2\frac{1}{2}$  to 3 feet in height; coming into flower 45 to 50 days after seed is sown. Pkt. 25c.

**FANTASY MIXED SHADES.** Pkt. 15c.

**DOUBLE LILLIPUT.** 12 inches. A charming dwarf which is excellent for low borders or edgings. The plants are of tidy habit and produce a bounteous supply of very double pompon flowers about  $1\frac{1}{2}$  inches across. The colors are bright.

**MIXED.** Pkt. 10c.

**TOM THUMB.** These tiny flowered Zinnias have a charm the larger ones can never attain, and make a brilliant display. They come in attractive color combinations, red tipped gold, salmon and gold, with a hundred intermediate shades.

**ALL COLORS MIXED.** Pkt. 15c.

**HAAGEANA DOUBLE (Mexican Hybrids).** The small flowered Mexican Zinnias have a charm all their own. The smaller flowers lend themselves to bedding and make a brilliant display and yet have stems long enough to make fine bouquets for small vases and bowls.

**FINEST MIXED.** Pkt. 10c.

**ZINNIA LINEARIS.** This little dwarf variety of Zinnia is most unusual and interesting. The flowers are single and of a lovely shade of golden orange, with a delicate lemon yellow stripe through each petal, while the center is dark brown in the young flowers, turning golden orange as the flower develops. Blooms are produced in great profusion. Height, 8 to 10 inches. Pkt. 10c.

**HOWARD'S GIANT CRESTED ZINNIAS.** (See outside front cover.) A proved new zinnia. The flowers when well grown measure 4 to 5 inches across with a full rounded cushion-like center of quill-like petals surrounded by broad guard petals. Practically all colors seen in zinnias will be found in this mixture. This zinnia is in our opinion, the finest for cutting. Be sure to include Howard's Crested Zinnia in your garden this year. Pkt. 20c.



# GLADIOLUS

## FOR SUMMER GARDENS

**Jumbo Size Bulbs: Dozen 40c; 100, \$3.00.**

Grown by Ralph J. Pommert. Guaranteed Thrip free.

**BIT O' HEAVEN.** Richest and most brilliant orange Glad; also tallest grower.

**CHAS. DICKENS.** Violet purple. Tall strong grower.

**COMMANDER KOEHL.** Large dark scarlet red, without markings. Individual florets large.

**CORYPHEE.** Beautiful soft shell pink. One of the most beautiful of the pinks.

**DR. F. E. BENNETT.** The popular, well known fiery red. One of the most brilliant scarlets grown. Fine large flower.

**GOLDEN CHIMES.** Large clear pure yellow, about the same shade as Golden Dream.

**J. S. BACH.** Salmon with white mid-rib. Wonderful exhibition variety, being one of the largest and earliest Gladiolus.

**MAID OF ORLEANS.** Milky white with faint cream throat. Tall straight spike.

**MINUET.** Wonderful clear lavender—a lavender by which all others are judged. Very fine.

**MISS ALAMEDA.** A soft light rose with small red blotch.

**ORANGE PRINCESS.** Slightly ruffled salmon-orange, with small crimson feather.

**PELEGRINA.** Dark violet-blue, blotched slightly darker on the two lower petals.

**PICARDY.** Soft apricot-pink with a silvery sheen, feathering of a slightly deeper color in the throat. Very large slightly ruffled florets.

**TOKEN.** Flame salmon with yellow throat. Medium size spike and florets. Early.

**WURTEMBERGIA.** Immense fiery scarlet with cream white throat. Spikes very tall and always straight.

**BEACON (Palmer).** Clear bright rose-scarlet with a large cream blotch; medium large, slightly ruffled, 8 to 10 open on a very tall straight spike. (Pkg. 6) 33c.

**MISS NEW ZEALAND (Julyan).** Very large apricot-salmon, suffused with rose. (Pkg. 6) 33c.

**SNOW PRINCESS (Pfitzer).** New. Early white similar to Maid of Orleans. Florets larger. (Pkg. 4) 33c.

**VAGABOND PRINCE (Palmer).** Iridescent garnet-brown, lighter in upper throat and small blotch of glowing scarlet-red on lip petal. 8 to 10 open on tall straight spike. (Pkg. 6) 33c.

**Package of 12 Select Jumbo Bulbs, 30c.**

**Package of 50 Select No. 1 Bulbs, 69c.**

### TIGRIDIA (Tigerflower)

**Wilson's Improved**

A very splendid flower. One of the most showy of garden plants. The curious three-petaled flowers are very large and are wonderfully marked and spotted. Plant 2 inches deep and 4 to 6 inches apart in shade or half shade. **15c each, doz. \$1.50.**

**BUCCANEER.** A recent introduction. The title fits the blossom exactly. Strong, sinewy stems, flashing scarlet petals, deep orange cup filled with maroon spots. The flowers are of heavy texture, beautifully shaped, and stand face-up to the sun like a huge red Jap Iris.

**GYPSY MAID.** Clear, shining chrome yellow petals with maroon spotted centers. Those who are fond of rich yellow will be delighted with this gem.

**ROSE KING.** Petals of fascinating rose color, varying somewhat in individuals; white cup and wine-red spots. A bed of Rose King Tigridias is indescribable in its beauty. Giant blossoms.

**VAGABOND PRINCE.** Dazzling, pure white petals, with an immense cup filled with maroon spots. Here is a white flower that has real value. The perfect combination of colors, vigorous growth, and giant blossoms make it one of outstanding beauty.

**JUBILEE ASSORTMENT.** Introduced during the 50th year of statehood of Washington state. It is composed entirely of the progeny of eight years of crossing and re-crossing and rigid selection as to type and quality. They are absolutely unsegregated, and we can give **NO WARRANTY** as to colors, but to the lover of the very latest in Tigridias, this should promise a really worthwhile introduction. Many of these hybrids will eventually be named and sold at greatly increased prices.



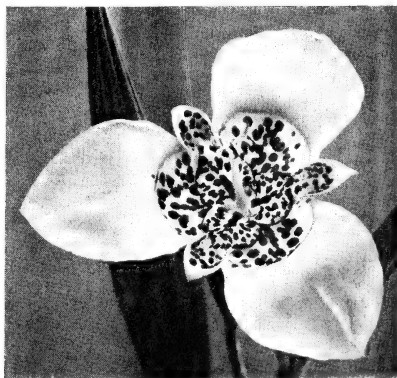
### TUBEROUS ROOTED BEGONIAS

Plant Begonias in the partially shaded spot in your garden. They will give you no end of pleasure from bloom from mid-summer until frost. We will gladly send you cultural instructions. Begonias are easy to grow with knowledge of just a few of the essentials of culture. Few flowers present the beauty of form and color possessed by Tuberous Begonias. By all means plant them in your garden. We can supply the following varieties for **20c each; 2 for 35c; \$1.95 dozen:**

**GIANT CAMELLIA DOUBLE.** An exquisitely formed flower, large, not too compact, resembles a Camellia in form. **White, Yellow, Pink, Salmon, Red and Orange.**

**GIANT FIMBRIATA.** This is the Carnation type. Mixed.

**GIANT FRILLED MIXED.** Probably one of the most colorful and outstanding Begonias.



TIGRIDIA



## LAWN GRASS SEEDS

### VELVET GREEN LAWN MIXTURE (State Registered)

**Rootone Treated, Your Seed Insurance.**

This perfectly blended lawn grass and clover mixture will give you a lawn you can mow in four weeks from planting. **Velvet Green Lawn Mixture** is composed of Chewings Fescue, Certified Astoria Bent, extra heavy 30-pound Kentucky Blue Grass and top quality White Dutch Clover mixed with Rootone to insure success without extra charge. Price, lb. 60c; 5 lb. lots 55c per pound. Sow 5-10 pounds per 1000 square feet, 1 lb. to 10x20 or 10x10 feet, depending upon the quality of work desired.

### ENQUIRE FOR PRICES ON LAWN SEEDS LISTED BELOW

**ASTORIA BENT.** This strain of Bent differs from the Seaside variety in that it does not send out stolons, but that it spreads underground, sending up many rootstalks that produce a splendid turf. The growth is upright, of fine texture and is a richer green than Seaside Bent. It is more practical for lawns and succeeds best in heavy soils. Sow 1 pound to 250-300 square feet.

**SEASIDE CREEPING BENT.** Coos County strain, is the true creeping bent. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these, new plants are produced, and these in turn grow more runners. The turf becomes matted, and if damaged it heals over promptly. Sow 1 pound to 250-300 square feet.

**CHEWINGS FESCUE.** Used extensively on putting greens, fairways and tees on golf courses, and does well on any kind of soil. It also produces a stiff, upright plant. Sow 1 pound to 150 square feet.

**CREEPING or RED FESCUE.** Fine, round bladed grass, excellent for lawns. Slightly reddish at base. Fine for shade. Hardy.

**KENTUCKY BLUE GRASS.** Makes an excellent lawn of a dark green color. It forms a fine mat, with care and water makes one of the best lawns. Sow 1 pound to 100-150 square feet.

**SHADY BLUE GRASS (Poa Trivialis).** An ideal perennial grass for shady spots which is closely related to Kentucky Blue Grass, but somewhat finer and softer in texture. It is a creeper with an apple-green color. Requires plenty of water. Sow 1 pound to 150-200 square feet.

**SHADY LAWN MIXTURE.** This grass is especially adapted for growing in very shady places or near buildings where other grasses will not grow. If you have a shady, barren place, try our Shady Lawn Mixture. Sow 1 pound to 150-200 square feet.

**WHITE DWARF CLOVER.** Very low growing sort, principally used in poor ground to give a green color, many like it in lawns, especially where grass does not do well. Sow 1 pound to 300 square feet.

### THREE WAY LAWN MIXTURE (State Registered)

**Rootone Treated. Your Seed Insurance.**

This mixture is made for the customer who desires a first-class lawn without the use of White Clover. It is composed of Chewings Fescue, Certified Astoria Bent and extra heavy 30-pound Kentucky Blue Grass, the same as used in our Velvet Green Lawn Mixture but in different proportions, including a much heavier percentage of Astoria Bent grass. Rootone is mixed in to insure success without added charge. Price, 1 lb. 75c; 5 pound lots 70c per pound. Sow 5-10 pounds per 1000 square feet, 1 lb. to 10x20 or 10x10 feet, depending upon the quality of work desired.

### HOW TO HAVE A GOOD LAWN

Spade the ground as deep as possible and turn several times to see that it is thoroughly pulverized. Work in a good commercial fertilizer. Sheep guano or peat moss will add humus and improve the seed bed. Rake level and water thoroughly so the ground will settle. The seed bed should be allowed to stand for about two weeks, watering from time to time so the weed seeds will sprout.

Roll the ground before seeding, to prevent it from settling unevenly, and then rake the surface lightly. Sow the seed so as to cover the ground thoroughly, and then cover it lightly with soil. Roll again so as to press the seed in firmly. If you have no roller, use boards and tramp on them so as to pack the ground firmly, but a roller is preferred.

Grass seed will germinate in from 8 to 15 days, according to the weather. If a lawn is made during the summer, the ground should be covered lightly with peat after the seed has been rolled, so as to retain the moisture. New lawns should not be allowed to dry out, not even for a half day. For the first 15 days the lawn should be watered twice a day if necessary. A lawn should be fertilized after the first cutting, and at least twice a year. Water well after applying.

**WARNING:** Do not use the so-called rotted manure which is being sold to inexperienced gardeners. It is full of wild clover and other weed seeds and pests. It is expensive when you take into consideration that a few pounds of good fertilizer is equal to a sack of manure. If you want a moisture-holding material for top-dressing use Horticultural Peat Moss; it is clean.

**LAWN ROLLERS AND FERTILIZER SPREADERS RENTED OR FURNISHED FREE WITH  
PURCHASE OF LAWN MATERIALS FROM US.**



## EAT RAW VEGETABLES



Heat destroys a good portion of the health-giving vitamins in vegetables. If you wish to enjoy the optimum vitamin ration from vegetables, eat them raw as often as possible. Delicious combination salads can be made from raw and uncooked vegetables. Eat carrots, turnips, lettuce, radishes, etc., raw . . . for better health.



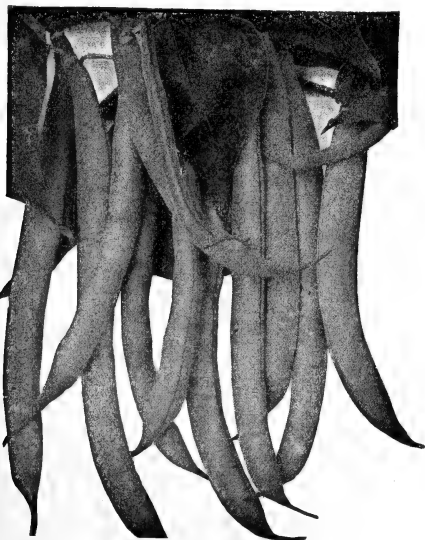
# VEGETABLE SEEDS



## DWARF OR BUSH BEANS

One pound will plant a row 100 feet long; about 1 1/4 bushels to the acre

**HOW TO GROW DWARF OR BUSH BEANS.** Make the rows 18 inches or 2 feet apart, and drop the beans 4 inches apart in the row. If the soil is warm and loose, plant 2 inches deep; if rather cold and wet, plant only one inch deep. Beans, especially the yellow-podded varieties, will rot very easily if planted when the soil is wet and the atmosphere is cold. If you do not want to run the risk of replanting them, do not plant your beans until the soil is warm. Cultivate often but never when the plants are wet, as this brings on rust. Pick the beans as fast as they become fit to use; this makes them bear longer. Special prices to market gardeners. Send your list to us for prices.



## Green Podded Varieties

Prices: Pkt. 10c; 1/2 lb. 15c; 1 lb. 25c.  
Unless Otherwise Noted.

**DWARF HORTICULTURAL.** Particularly desirable green shell and snap sort for home and market garden. Plant medium small, thrifty and productive. Pods dark green at snap stage (53 days) becoming greenish yellow splashed with carmine.

5 to 5 1/2 inches long. Strictly stringless, slightly fibrous. Seeds plump oval, pinkish buff, spotted and streaked with purplish red. Shell beans in 60 days.

**TENDERGREEN OR IMPROVED STRINGLESS REFUGEE.** This is a new bush bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The pods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless. Ripen in 54 days.

**BURPEE'S IMPROVED STRINGLESS GREEN-POD.** Matures in 48 days. High quality for home and market garden. One of the favorites through the years. Splendid as a canning variety or for snap beans. Plant large, thrifty, heavily productive. Pods medium green; 5 1/2 inches long, almost 1/2 inch wide and equally thick; very fleshy, strictly stringless, fine grained, tender. Seeds coffee brown.

**DAVIS WHITE WAX.** Matures in 52 days. Well adapted for shipping. Plant large and thrifty and productive. Pods attractive yellow; 6 inches long, straight, 1/2 inch wide, thick, oval; fleshy and tender when young but become somewhat fibrous and stringy. An excellent dry bean for baking or soups.

**GOLDEN WAX.** Matures in 48 days. A splendid home garden variety; also much used for canning. Plant small, productive. Pods very attractive; golden yellow; 4 1/2 to 5 inches long; 1/2 inch wide, thick, oval; fleshy, brittle, stringless. Seeds white, splashed with violet-carmine and purple.

## A WORD OF WARNING!

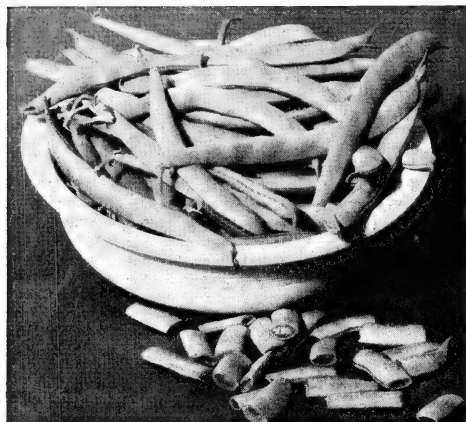
Due to the shortage of many varieties of vegetable seeds brought about by unprecedented unfavorable weather conditions during the planting, growing and harvesting of vegetable seed crops, we can only quote subject to price change and available stocks.

High prices may seem unjustified to the average gardener but when short crops coupled with an abnormal demand from countries who formerly secured their vegetable seeds from Europe and who now come to the United States for supplies are taken into consideration, one can readily understand why prices have risen to such high levels.

We are still sticking by our guns. It has always been our aim to buy the best for you and this policy will not be changed even though we might lose your business because someone else quoted inferior seeds for less.

BUY THE BEST, IT PAYS BIG DIVIDENDS.

# VEGETABLE SEEDS



## POLE OR RUNNING VARIETIES

Prices, Pkt. 10c; ½ lb. 15c; lb. 25c, unless otherwise noted.

**CULTURE.** One pound will plant 50 hills, 30 pounds per acre. The soil should be mellow, rich and warm. Lay the ground out in hills 4 feet apart each way, and set poles 8 to 10 feet long firmly in the hills before planting the seed. Plant 5 or 6 beans in a hill and cover about 2 inches deep; leave three plants at each hole, and when a few inches high draw a little earth around them as support. Set the poles before the plants have grown to large size; many gardeners consider it an advantage to set the poles when planting, thus avoiding disturbing the small plant at its roots.

**WHITE CREASEBACK or BLUE LAKE BEAN.** Matures in 62 days. A splendid snap bean for home garden and early market. Good climber, heavily productive. Pods light green, 5½ inches long, ½ inch wide, almost as thick; nearly stringless, very fleshy, brittle, tender. Seeds white; excellent for baking. Because of the near-stringless character of this variety it is preferred by many to Kentucky Wonder.

**TACOMA WONDER (Oregon Giant).** A very desirable snap bean. A good climber and very prolific. Pods long, thick-flat, stringless when young, exceedingly tender, rather broad, meaty, pods splashed purplish blue. Pkt. 10c; 1 lb. 30c.

**KENTUCKY WONDER (Old Homestead).** Matures in 65 days. Unexcelled for home garden and for market. Excellent climber, thrifty, heavily productive. Pods medium green; 9 to 10 inches long, nearly round and ½ inch in diameter; slightly stringy, very fleshy, brittle, tender. Prices at top of page.

**SCARLET RUNNER.** Matures about same as Limas. Good climber. Flowers scarlet, decorative. Pods dark green; 6 inches long, flat oval; fleshy; desirable for snaps and green shell beans. Very attractive as porch or arbor cover. Pkt. 10c; ½ lb. 25c; lb. 40c.

**LONDON HORTICULTURAL (Speckled Cranberry).** Ready for snaps in 65 days; green shell beans in 74 days. Splendid for home and market garden. Good climber, thrifty, heavily productive. Pods green, becoming splashed with carmine at green shell stage; 7 inches long, wide straight, stringless.

## LIMA BEANS

Prices, Pkt. 10c; lb. 30c.

**OREGON POLE LIMA.** Proven over many years to be well adapted to our cool Northwest climate. A strong, vigorous grower, bearing continuously until frost. Pods are at their best when turning yellow.

**BURPEE'S BUSH LIMA.** Matures in 75 days. Plant large, heavily productive. Pods large, 4½ to 5 inches long, 1¼ inches wide, ⅜ inch thick; usually contain 4 large, thick beans. Dry beans large, flat, greenish-white.

## BEETS

Special prices to market gardeners. Send your list to us for prices.

**CULTURE.** Well enriched, light soil is best adapted for the culture of beets. Sow in drills 1 foot apart and cover half inch. It is important that the earth be pressed firmly about the seed. When the plants are large enough, thin to 4 inches apart. Use thinnings for greens if desired. For early crop, sow as soon as the ground can be worked, and continue for succession until the first of July. Liberal manuring should be done for Mangels and Sugar Beets. They should stand 10 to 12 inches apart in the rows. Pkt. 10c; 1 oz. 25c.

**DETROIT DARK RED.** The standard of excellence in table beets for home and market garden, for shipping, and for canning. Tops uniform, small, slender, erect. Roots globe shaped; symmetrical, with small collar and small tap-root. Very dark blood red. Mature in 52 to 55 days.

**EARLY WONDER.** Very desirable for home and market garden. Tops small. Root flattened globe shape with small collar and tap-root. Dark purplish red. Flesh deep purplish red zoned a lighter shade. Mature in 50 to 55 days.

**EXTRA EARLY FLAT EGYPTIAN.** Best for forcing and particularly valuable for early market. Tops small and upright. Roots flattened with long slender tap-roots. Flesh dark purplish red zoned lighter. Ready in 50 days.

**EARLY BLOOD TURNIP.** 60 days. A medium early variety suitable for either home or market garden. Roots smooth. Tops medium but somewhat coarse. Flesh deep red with purplish red zones. Crisp and tender.

**SWISS CHARD (Sea Kale).** Large Ribbed White. The leaves are broad, somewhat waved, but smooth, and of a medium light yellowish-green. The stalks are broad and flattened, but tender and succulent. Pkt. 5c and 10c; oz. 25c; ¼ lb. 75c.

## MANGEL - WURZELS

1 oz. 15c; ¼ lb. 40c; 1 lb. \$1.30

**GOLDEN TANKARD.** Matures in 95 days. One of the best known and most largely grown yellow mangel, and especially recommended for the dairyman on account of its milk producing properties and the richer quality of the milk. Flesh firm, golden yellow. Can be grown colder than most varieties. Grows well above ground and easily pulled. Yields well on light soils.

**GIANT HALF-SUGAR MANGEL.** Matures in about 90 days. Roots long oval, tapered; grayish-white with rose-colored shoulder; flesh white, rich in sugar. One of the heaviest croppers.

**MAMMOTH LONG RED.** The largest of the mangels and the heaviest cropper. Skin red, flesh white, zoned red. Roots very large, spindle shape, straight and thick. Grow 1/3 to 1/2 out of ground.

**DANISH SLUDSTRUP.** Very high yielder. Roots long oval, orange colored; flesh white with faint yellow tinge.

## CAULIFLOWER

**CULTURE.** Cauliflower succeeds well in any soil that will grow good cabbage, but prefers a well enriched soil of loamy character. Sow seed early in February and March in hotbed, transplanting later to cold frame and thence to open ground.

**EARLY SNOWBALL.** This is the most popular for home garden and market. Produces a good crop and a sure header. Pkt. 20c.

# VEGETABLE SEEDS



EARLY JERSEY WAKEFIELD

## CABBAGE

### Finest Early Sorts

**COPENHAGEN MARKET.** Matures in 66 days. Distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm; become 6 to 7 inches in diameter; weight 3½ to 4 pounds. Interior clear white and of excellent quality. Pkt. 10c; oz. 50c.

**EARLY JERSEY WAKEFIELD.** Matures in 62 days. Extremely early variety very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing close planting; stem is short. Heads firm and conical, usually 7 inches long, 5 inches thick near base; weight 2 to 2¼ pounds. Pkt. 10c; oz. 50c.

**EARLY DWARF FLAT DUTCH.** Matures in 71 days. Excellent for home and market garden. Plants small and compact; stem short. Heads almost ball-shaped; commonly 7 to 8 inches in diameter, 6 inches deep and weigh 4½ to 5 pounds; firm and of high quality. Pkt. 10c; oz. 50c.

**GOLDEN ACRE CABBAGE.** Matures in 60 to 64 days. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 inches in diameter and weight 3 pounds. This is similar to Copenhagen Market but is several days earlier, and the heads are smaller. It is as early as Early Jersey Wakefield. Because of the absence of large surplus outleaves, Golden Acre can be planted closer in the row and the rows nearer, meaning more heads per acre. Pkt. 10c; oz. 50c.

### Late Sorts

**DANISH BALLHEAD or HOLLANDER** (short stemmed strain). Matures in 90 to 100 days. The best late cabbage. Plants are medium sized with short stem. Heads large; flattened globe-shape; become 8 to 9 inches across, 6 to 7 inches deep, and weigh 7 to 9 pounds. Very firm and solid, of excellent quality, and keep perfectly in storage until late spring. Pkt. 10c; oz. 50c.

**GIANT LATE FLAT DUTCH.** Matures in 105 days. The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large and flat, but deep; become 12 to 14 inches across, 7 inches deep; and weigh 12 to 14 pounds or more; firm and of good quality. Pkt. 10c; oz. 50c.

## BRUSSELS SPROUTS

**DWARF IMPROVED.** A carefully grown strain; very hardy and giving compact, round sprouts of large size and good quality. Pkt. 10c.

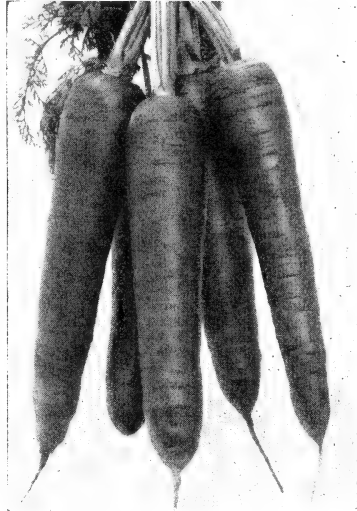
## BROCCOLI

**CULTURE.** Plant in open ground in May and June, transplanting later when plants are of sufficient strength and size to place in field. Culture same as for Cabbage or Cauliflower.

**ST. VALENTINES.** Fine quality, immense header; ready for market early. Heads remain in good condition longer than most varieties. Pkt. 15c.

## CARROTS

**CULTURE.** Carrot seed can be sown early and late in Western Washington. As soon as the ground can be worked in February carrots may be sown. They like a well cultivated and loamy soil. Use fertilizer liberally. Sow in rows (table varieties) 16 to 18 inches apart, and for field culture sow in drills 18 to 24 inches apart. Cover one-half to an inch deep and firm soil well over seed.



IMPROVED IMPERATOR

**TENDERSWEET or IMPROVED IMPERATOR.** This carrot grows to a length of 6 to 7 in. with a shoulder diameter of 1¼ to 1½ inches and is a deep orange color. It has smooth crown; does not have undesirable side shoots; has a fine texture and is very sweet. In all respects it is very attractive for shipping. An ideal bunching carrot. Pkt. 10c; oz. 45c; ¼ lb. \$1.35.

**DANVER'S HALF LONG.** The roots are a rich dark orange color and by reason of its symmetrical shape, which is long and pointed, makes an excellent bunching variety. It has proved over a period of years to be the most popular carrot. Pkt. 10c; 1 oz. 45c; ¼ lb. \$1.35.

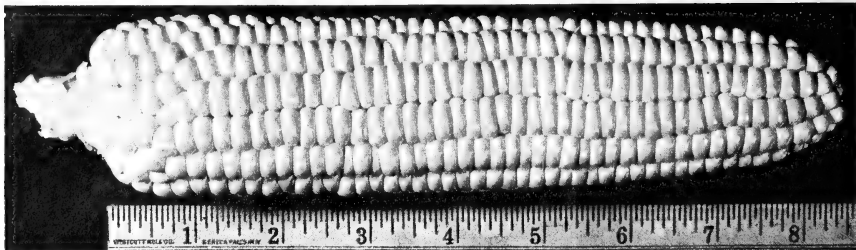
**RED CORED CHANTENAY.** A very fine red cored carrot with uniformity and appealing color. Smooth symmetrical shape combined with just the right size make it a good market or home garden carrot. Roots 5½-6 in. long, 2¼ in. thick at shoulder, tapered, stumprooted. Pkt. 10c; oz. 45c; ¼ lb. \$1.35.

**NANTES CORELESS CARROT.** Matures in 68 days. One of the best for home garden and early market. Tops small. Roots bright orange; 6 to 7 inches long, 1¼ inches thick; cylindrical; stumprooted. Flesh bright orange, of highest quality; core inconspicuous. Undoubtedly one of the best carrots grown. Not a tapering variety. Fine for bunching. Pkt. 10c; oz. 45c; ¼ lb. \$1.35.

**LARGE WHITE BELGIAN.** Extensively grown for stock. Grows above ground. Oz. 25c; ¼ lb. 75c.

# VEGETABLE SEEDS

## GOLDEN CROSS BANTAM



## SWEET CORN

### ACCLIMATED SEED

Prices unless otherwise noted:

Pkt. 10c; ½ lb. 15c; lb. 25c.

**GOLDEN GIANT.** 88 days. This is the giant among the yellow varieties with ears measuring 8 inches long. Matures its handsome ears a week after Golden Bantam. Each cob is tightly set with 12 to 14 rows of sugary, creamy yellow kernels covered by a thin, tender skin.

**GOLDEN BANTAM IMPROVED.** 81 days. A selection from the original strain of Golden Bantam. Larger ears, more rows of kernels, greater production. Golden yellow, deep, wide, tender kernels with a fine, sweet flavor. Particularly desirable for canners and market gardeners. Remains in table condition a long time.

**GOLDEN CROSS BANTAM.** 88 days. Very uniform in habit of growth, size, and maturity. The ears measure 8 inches long and they are closely set with 14 rows of light yellow grains filled with delicious sweet pulp. Bears two ears per plant. Pkt. 10c; ½ lb. 20c; 1 lb. 35c.

**GOLDEN EARLY MARKET.** One of the best extra early yellow varieties for home and market garden. Ears have strong husks; 8 to 12 rowed. Kernels golden-yellow, medium, tender, sweet and of good flavor. Very prolific for so early a variety. Matures in 75 days from planting which is 5 days earlier than Golden Bantam. Prices at top of page.

**GOLDEN BANTAM.** The best known and most favorably known of all the yellow varieties. Stalks often have 2 ears. Ears 8 rowed; kernels broad, with tender hull, sweet, and of exceptionally fine flavor. Used widely for home gardens, by truckers and for canning. Matures in 80 days. All our seed sweet corn is northern grown, acclimated seed. Prices at top of page.

## CELERY

**FRENCH GOLDEN SELF-BLANCHING.** The best celery for early market use. Of yellow color when matured. Brings top prices. Pkt. 10c; oz. \$1.00. Postpaid.

**UTAH.** A very desirable green type early maturing celery. Becoming very popular. Pkt. 10c; oz. \$1.00. Postpaid.

## CUCUMBERS

Mature in approximately 60 days. Sow outdoor varieties early in spring, in hotbeds, and transplant to open ground when weather is suitable. For later crop, sow seed when weather becomes settled, in hills 4 to 6 inches apart. They require a warm, rich soil, and should be watered liberally. Pkts. 5c and 10c; 1 oz. 20c; ¼ lb. 60c.

**DAVIS PERFECT.** 68 days. A splendid dark green variety, excellent for slicing and a good shipper. Very dark green, white spined. The color is retained a long time when pickled. Tapered somewhat at both ends. Seeds few.

**IMPROVED LONG GREEN.** Matures in 72 days. The most popular and one of the best for the home garden; particularly desirable for slicing. Fruits rich dark green; black spined; 12 inches long; 2¼ to 2¾ inches thick; straight; cylindrical with few seeds. Carry a distinctive flavor, make excellent pickles, and when yellow and ripe the best sweet pickles.

**EARLY WHITE SPINE.** Matures in 60 days. The most popular white spined cucumber for the home garden; extensively grown for shipping. Fruits medium dark green; remain in good condition remarkably long; 7 inches long; 2½ inches thick; slightly tapered; blunt.

**CHICAGO PICKLING.** Most widely used of pickling varieties. Uniform and attractive; also good for slicing. Fruits medium green, square ended; very prolific.

**LEMON CUCUMBER.** Matures in 65 days. Fine for preserves. Yellow in color, fruits round. Fine for salads. Every garden should contain a few hills of Lemon Cucumber. Pkt. 5c.

**STRAIGHT-8.** This outstanding new variety produces symmetrical, cylindrical fruits about 8 inches long and 1½ inches in diameter. The fruits are well rounded at the ends and when in condition for use are deep green and free from objectionable striping or tipping. Ideal for shipping or for home or market garden.

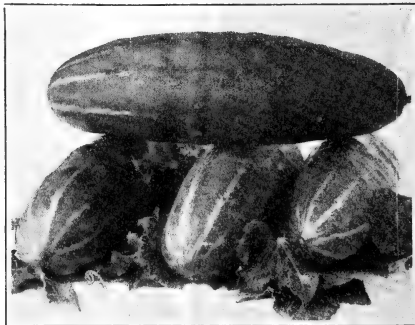
## ENDIVE

1 oz. to 100 ft., 4 to 5 lbs. per acre.

Sow about the middle of April, in rows 1½ feet apart, and thin out to about 9 inches apart. Pkt. 10c; 1 oz. 15c.

**BROAD-LEAVED (Escarolle).** Leaves long, broad, and succulent. Fine for winter salads and cooking.

**LARGE GREEN CURLED (Pink Ribbed).** Outer leaves bright green, midribs tinged with rose. Center leaves blanch readily. Makes attractive salads. Vigorous and resistant.



# VEGETABLE SEEDS

## KALE

**1000 HEADED or COW KALE.** Frequently attains a growth of 6 to 8 feet and produces many of the smooth leaves. Largely used for feeding stock and poultry. Oz. 15c; ¼ lb. 40c; lb. \$1.25.

**DWARF CURLED SCOTCH.** Long plume-like leaves with edges finely cut. Pkt. 15c; oz. 45c.

## LETTUCE

Sow the seed in hotbeds during February until the middle of March, afterward transplanting into flats or coldframes, leaving about 6 to 8 inches between the plants. As soon as weather becomes suitable, transfer to open ground and set out in rows 1 foot apart, leaving 9 inches between the plants in the rows.

### HEAD LETTUCE

Pkts. 5c and 10c; 1 oz. 25c.

**NEW YORK NO. 515 IMPROVED.** A development from Number 12; matures slightly earlier and should be grown where there is hot weather as it is resistant to tio-burn.

**IMPROVED HANSON.** 82 days. A very hardy lettuce, excellent for a summer crop as it withstands heat. Forms a large, light green head which is very hard. An excellent variety for the home gardener for it is very sweet, crisp and tender.

### LEAF LETTUCE

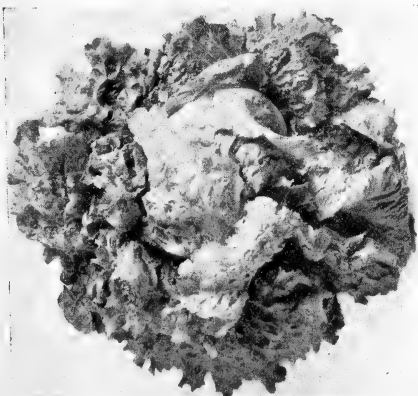
Pkts. 5c and 10c; 1 oz. 20c.

**SIMPSON'S EARLY CURLED or BLACK SEEDED.** Widely used for home gardens. Early, hardy, and dependable; non-heading with large crumpled, frilled leaves, forming a compact bunch at center of plant. Light green in color. Tender and sweet.

**GRAND RAPIDS.** Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact, and handsome; bright solid light green; leaves large, broad; margin much frilled; very tender and sweet when grown under glass.

**RED LEAF PRIZE.** An early non-heading sort, very desirable for home garden use. Plants of medium size, crisp and tender; color medium green with brownish-red edges on outer leaves.

**CHICKEN LETTUCE.** This is a non-heading lettuce, quite different from those used for human food. The plants grow 4 feet tall before they run to seed. It is ready for cutting in 45 days after sowing. Planted extensively for feeding poultry and rabbits.



## KOHL RABI

Hardy and easy of culture. Grown from plants the same as cabbage. The Kohl Rabi is a vegetable intermediate between the cabbage and turnip and combines the flavor of both. It should be eaten before growth ceases.

**EARLY WHITE VIENNA.** Very early; bulb white; best table variety. Pkt. 10c; oz. 35c.

**EARLY PURPLE VIENNA.** Same as above except in color, which is purple. Pkt. 10c; oz. 35c.

## MUSTARD

The following varieties make the finest greens when used alone or if combined with cress furnishes a delicious salad. Sow any time in the spring, in rows, and thin out as necessary.

**SOUTHERN GIANT CURLED.** This is a giant curled leaf of fine quality. Pkts. 5c and 10c; oz. 15c.

**CHINESE MUSTARD.** Less pungent than other varieties. A most delicious variety thriving under same conditions as spinach. Pkts. 5c and 10c; oz. 15c.

## Crystal Wax — White Bermuda Onion Plants

Our plants are strong, full count plants. Will make either young green onions of delectable flavor or can be left to mature for dry onions. Prices: 1 bundle of 100 plants, 15c.

Ready for shipment after March 15th.

NOW YOU CAN HAVE BERMUDA ONIONS IN YOUR OWN GARDEN. Because of the long ripening season necessary to mature Bermuda Onions it has been impossible in the past to raise this delicious onion in Western gardens. Raising a crop from seed was impossible. Now plants are available for resetting and it is possible to grow the "finest and sweetest onion" of them all in your own garden. Plants are no longer an experiment; they all grow perfectly in every locality. Our plants will make early green onions for pulling and LARGE, SWEET MATURED ONIONS for the table or market. One thousand plants will produce 8 to 10 bushels of dried onions. Our plants are sure to grow.



## ONIONS

As early as soil can be worked in spring, sow the seeds thinly in drills 1 foot apart, and cover lightly, later thinning out to about 6 inches apart in the row. The soil must be well fertilized and be made very friable. In hot weather, water frequently. Pkt. 10c; 1 oz. 70c.

**CRYSTAL WAX BERMUDA.** Medium size, pure, waxy white. One of mildest sorts grown.

**WHITE PORTUGAL, or SILVERSKIN.** A good second early white flat onion. It should be planted any time from November 1st until April 1st. It is good keeper and desired for shipping. Also very desirable for green bunching onions. Under good cultivation the average diameter is from 4 to 6 inches.

**WHITE BUNCHING or PICKLING.** Excellent and one of the best for green onions. Crisp and mild, attaining a good size before bulbs form.

**RIVERSIDE SWEET SPANISH.** A large, globe shaped brown onion, weighing 1 to 3 pounds. Small tops. Flesh mild and sweet. Good for slicing. Most popular marketing onion.

**WHITE QUEEN.** Valuable for early market and pickling, and sometimes used for bunching and for sets. Medium small, pure white, flat, mild and sweet.

**YELLOW GLOBE DANVERS.** An outstanding variety, dependable cropper, medium late, hardy, and excellent keeper; used for shipping and storage. Bulbs medium size, spherical, clear yellow, firm and solid with tough, clinging skin. Flesh white with slight yellow tinge.

**ONION SETS.** Sets are northern grown, hardy, carefully cleaned, sized and packed. Produced for western conditions. Plant onion sets deep for green onions and shallow for dry onions. 1 qt. to 100 ft., 12 bu. per acre. Write for quantity prices.

## PARSLEY

½ oz. to 100 ft., 3 to 4 lbs. per acre.

Parsley seed is even slower than parsnip in germinating. It grows best in rich mellow soil and should be sown as early as possible in spring in rows 1 to 2 feet apart with a covering of not more than ½ inch of soil firmly pressed down. When the plants are well up, thin them 8 to 12 inches apart in the row. Pkts. 5c and 10c; 1 oz. 20c.

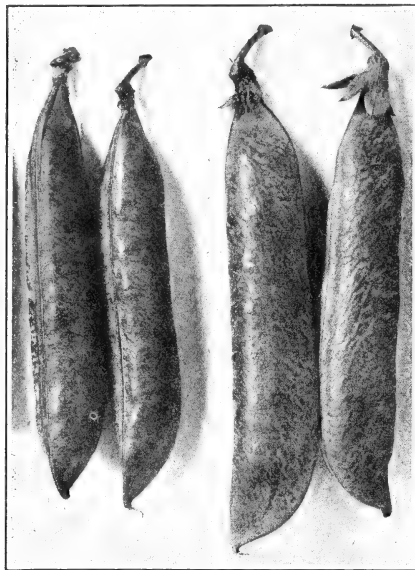
**EXTRA TRIPLE CURLED (Moss Curled).** This vigorous compact grower is one of the most popular varieties because of its deep green color and tightly curled leaves that look like moss. It is unusually decorative for table use.

# VEGETABLE SEEDS

## PEAS

**CULTURE.** One pound will sow 100 feet. Light, moderately rich soil is best for this crop. Sowing of first early varieties should be made in October, and the other varieties in the early spring. Peas are sown in single or double rows from 2 to 6 feet apart, according to the variety or height to which they attain. Dwarf varieties are planted 2 feet apart, and those of medium sorts 3 feet to 4 feet apart. Tall varieties from 5 to 6 feet apart.

Pkt. 10c; ½ lb. 15c; lb. 25c.



### FIRST EARLY VARIETIES

**AMERICAN WONDER or NOTT'S EXCELSIOR.** 59 days. Important early dwarf variety for the home garden. Vines 12 to 14 inches tall, dark green, very productive. Pods medium green, 3 inches long, plump and straight, blunt; seeds medium small, squarish, wrinkled, green; interior green.

**ALASKA.** 55 days. This variety is extremely early. The round pods, 2½ inches long, contain 5 to 8 peas which are ready for use in about 55 days. The peas are small, round, and tender. The vines are 2½ to 3 feet tall.

**GRADUS, or PROSPERITY.** 55 to 62 days. A very popular second early, large podded variety for home use and market. Vines 36 inches tall, medium green, stocky. Pods single, broad plump, pointed, medium green; contain 8 to 10 large, delicious peas.

**LAXTON'S PROGRESS.** 60 days. A little earlier than other dwarf large podded peas, this variety is generally considered the best of its class. The blue green pods are often more than 4 inches long and contain 8 dark green peas of finest quality. The seeds are large, wrinkled green and cream.

**LITTLE MARVEL.** Outstanding among dwarf peas on account of its exceptional quality and yield. Valuable for home garden and early market. Vines dark green, 18 inches tall, stocky. Pods single and double, dark green, blunt, plump, well filled with 7 to 8 tender peas.

### LATE VARIETIES

Mature to pick in about 75 days.

**TALL TELEPHONE or ALDERMAN.** A handsome, large podded variety. Unexcelled for home gardens, for local markets and for shipping. Bears immense crops, wilt resistant. Pods single, very broad, plump, straight, dark green, pointed, contain 8 to 10 peas of highest quality.

**DWARF TELEPHONE.** Only about 2 feet tall. Resembles Telephone, and the pods are well filled with peas of the same good quality. It is an excellent variety to follow the early peas in the home garden. Seeds large, wrinkled, green.

**IMPROVED STRATAGEM.** A superior late variety. Vines deep

green, 26 inches tall, stocky and branching. Pods single and paired, wide, nearly round, straight, pointed, dark green. Contain 8 to 10 tender peas.

## PEPPERS

Culture and soil and temperature requirements are about the same as for eggplant. A moderate dressing of Guano, poultry manure, or complete commercial fertilizer, hoed in to the soil after the plants are 6 to 8 inches tall, will be very beneficial.

Pkt. 10c; 1 oz. 60c.

### CALIFORNIA WONDER.

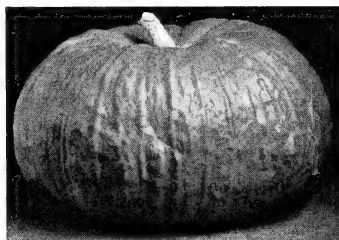
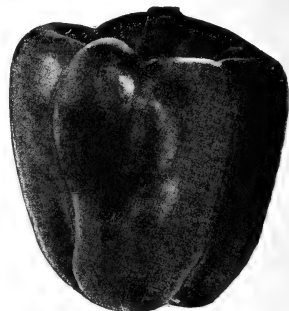
Thickness of flesh alone, which is often ¾ of an inch, places this sweet pepper above all others. It is crisp and juicy,

too, without a trace of pungency. Vigorous growing plants bear a heavy yield of blocky fruits that become as much as 5 inches long and 4 inches wide.

**CHINESE GIANT.** Fruits are often 6 inches across and 4½ to 5 inches deep. The flesh is moderately thick and very mild. The fruits are rich bright green when young, and bright cherry red at maturity.

**LARGE BELL or BULLNOSE.** A popular, early, sweet, prolific sort, with small, erect plants. Fruits blunt; flesh of fine quality and mild flavor. Much used for stuffing.

**LONG RED CAYENNE.** This well known, medium early pepper is especially good for drying purposes. The fruit is 4 inches long and 1 inch thick, twisted and pointed. It is deep green when young and bright red when ripe. The flesh is strong and pungent.



## PUMPKINS

**CULTURE.** Plant the seed in the open ground when it is well warmed and after danger from frost is past. Plant in hills about 8 feet apart; 3 or 4 pounds of seed will plant an acre and 8 ounces will plant 100 hills. Do not plant near squashes, as they are likely to mix.

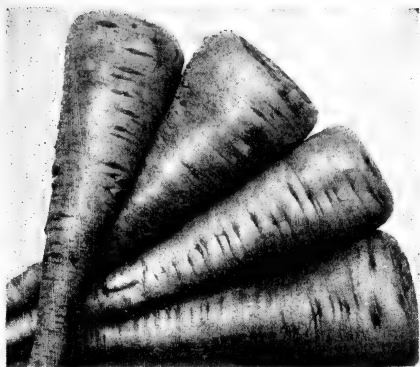
**CONNECTICUT FIELD.** The standard field pumpkin, grown for pies, canning and stock feed. Fruits very large, commonly 10 inches long, 12 inches in diameter and weigh 20 lbs., sometimes much larger; skin smooth, deep orange-yellow; shell thin, hard; flesh thick, coarse, sweet and deep yellow. Pkts. 5c and 10c; oz. 15c; ¼ lb. 35c.

**WINTER LUXURY OR PIE.** Very popular home and market garden sort; about in season with New England Pie. Fruits almost globular, commonly 7 to 8 inches long and 8 to 9 inches in diameter and weigh 8 pounds; skin light orange; not furrowed but with a netted, russet appearance; rind thin and easily cut; flesh very thick, yellow, firm and of splendid quality. Pkts. 5c and 10c; oz. 15c; ¼ lb. 35c.

**NEW ENGLAND OR SWEET SUGAR.** A handsome and productive small pumpkin; skin orange, flesh yellow, fine grained, very sweet. This is the famous New England Pie Pumpkin. Pkts. 5c and 10c; oz. 15c; ¼ lb. 35c.



## VEGETABLE SEEDS



### PARSNIPS

ONE OUNCE of seed will sow 200 feet of drill, 5 pounds will plant an acre. This crop requires a very rich soil. Sow in drills 18 inches apart and one-half inch deep and thin to 8 inches in the row.

**LONG SMOOTH or HOLLOW CROWN.** A standard table sort; the best and most productive for field culture. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.

### RADISHES

**CRIMSON GIANT.** Matures in 29 days. Superior home and market garden sort. Tops medium small. Roots spherical to slightly top-shaped; deep crimson; the largest of the early turnip rooted radishes; commonly attain diameter of 1½ inches before becoming pithy; of unexcelled quality. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.

**EARLY SCARLET TURNIP.** Matures in 23 days. Very early sort, superior and equally valuable for out-of-door culture and for forcing. Tops small, ideal for bunching. Roots slightly elongated globe shape; 1¼ inches long when ideal for use; with slender well defined tap root; uniform rich bright scarlet; flesh white, crisp and of splendid quality. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.

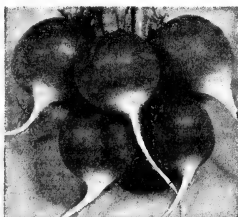
**EARLY SCARLET TURNIP (White Tipped).** Matures in 25 days. Handsome, popular variety of outstanding quality; much used in home and market gardens. Tops small, roots deep turnip shape, almost globular, with slender tap root; bright scarlet with well defined white area about the tip; remain crisp and of splendid quality until 1¼ inches in diameter or greater. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.

**LONG SCARLET.** Matures in 26 days. Standard home and market garden sort. Tops small. Roots long, tapered; become 4-5 inches long and ¾ inch thick at shoulder; bright carmine red. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.

**LONG WHITE ICICLE.** Matures in 27 days. Decidedly the best early white variety and considered by many the standard of excellence in radish. Particularly popular in home and market gardens. Tops small, roots long, tapered; very white; brittle as ice; of splendid quality until 5 to 6 inches long; mild and of splendid flavor. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.



See page 29.



### RUTABAGAS

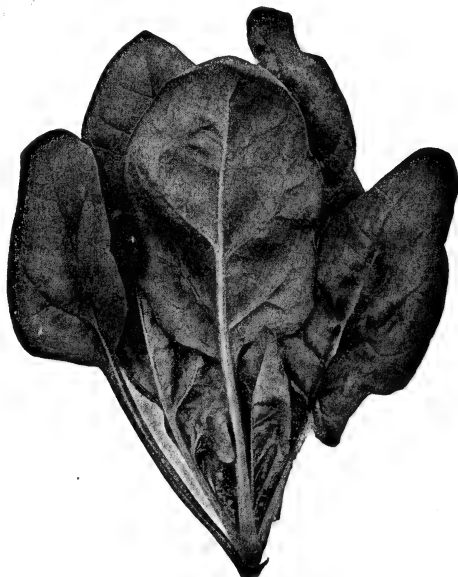
**AMERICAN PURPLE TOP.** One of the best and most popular varieties, with yellow flesh. Good for stock feeding. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.

**LARGE WHITE or SWEET RUSSIAN.** A very large variety, with white skin and flesh which is tender and sweet. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.

### SPINACH

**CULTURE.** Of easy culture and very profitable. Spinach may be planted in the fall or early spring. In our mild climate winter sowing is practical with good results. Sow 8 pounds per acre as a field crop or 1 ounce to 100 feet in the home garden. The richer the soil the larger and better the leaves. Use a top dressing of Sulphate of Ammonia after plants have started to grow.

**BLOOMSDALE SAVOY.** Matures in 40 days. The standard very early sort for home and market garden. Plants upright and compact, attain height of 10 to 12 inches and spread 12 to 15 inches. Leaves large; blistered and crumpled; rich deep, glossy green; of splendid quality. Pkts. 5c and 10c; oz. 15c; ¼ lb. 45c.



**GIANT THICK LEAVED.** Matures in 43 days. Decidedly the best of the round seeded thick leaved sorts. Because of the enormous yield, long standing character, and the deep green color and smooth character of the leaves, this is highly recommended for canning as well as for home and market garden. Leaves very large, thick broad arrow-shaped with rounded tip. Easy to wash free of sediment. Pkts. 5c and 10c; oz. 15c; ¼ lb. 45c.

**NEW ZEALAND.** Distinct from other kinds of spinach and particularly valuable for culture in hot dry weather. Seeds comparatively large and nut-like. Plants very large and spreading; leaves numerous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly. A perennial sort. Pkt. 10c; oz. 15c; ¼ lb. 45c.

### SALSIFY, Vegetable Oyster

The roots of this vegetable are appetizing and nutritious, and the flavor is like that of oysters. Salsify succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will cause the roots to become irregular and branched. Sow early and quite deep, giving the general culture recommended for parsnip. Pkt. 10c; 1 oz. 20c.

**MAMMOTH SANDWICH ISLAND.** Large and strong growing with long, smooth, white, tapering roots less likely to branch than those of other sorts.

# VEGETABLE SEEDS

## TOMATOES

**CULTURE.** Sow the seed in hotbeds in early March, moving plants to cold frame when of suitable size. Harden off in cold frame until conditions are right in the field for their transplanting. Too frequent watering is harmful, especially spraying the plants. Just a moderate amount of water should be applied at the roots at regular intervals. Pkts. 5c and 10c; 1 oz. 35c.



**BREAK O'DAY.** Another of Dr. Pritchard's introductions. A cross of Marglobe and Marvana resistant to wilt and nail-head rust. Plant light, of open, spreading habit with medium foliage; early and very prolific. Fruits medium large, orange-red, uniform, globe-shaped, smooth; walls not as thick as in Marglobe. Very early maturing, just 4 days later than Earliana. Very desirable for early market. Fruits are free from cracking around stem end and of very uniform shape.

**MARGLOBE.** Our stock of Marglobe is bred directly from seed originated by the U. S. Department of Agriculture. This variety has come into wide use by truckers and shippers, and in some sections by canners. Plant vigorous, with heavy foliage, resistant to wilt and nail-head rust; moderately productive. Fruits medium large, nearly globular, smooth, solid, with thick walls and cross-sections of fine quality.

**PRITCHARD (Scarlet Topper).** Wilt resistant of the type of plant known as self-topping or self-pruning. Mid-season to late and a heavy topper. Fruits globe-shaped, deep scarlet, smooth and solid. A good home and market variety and very popular for shipping. 80 to 85 days.

**CHALK'S EARLY JEWEL.** 75 days. A second early sort. Good for canning. Plant medium with open growth; prolific. Fruits medium large, smooth; scarlet, flattened globe-shaped.

**SPARK'S EARLIANA.** 65 days. One of the earliest scarlet fruited varieties. Medium size, almost seedless and solid. Vine open and spreading. A heavy bearer. Succeeds everywhere.

### Small Fruited Varieties

**YELLOW PEAR.** Pkt. 10c; oz. 65c.

**YELLOW PLUM.** Pkt. 10c; oz. 65c.

**HUSK TOMATO or GROUND CHERRY.** Small, round, yellow fruits about half an inch in diameter, enclosed in a thin husk. Very deliciously sweet. Excellent for preserves. Pkt. 10c; oz. 65c.

## SQUASH

**CULTURE.** Do not sow squash seed until all danger of frost is past. Put a spadeful of well rotted manure in each hill and dig it in well. Sow 8 to 10 seeds in a space one foot in diameter and later thin to the strongest three plants. Eight ounces of seed will plant 100 hills; 2 to 3 pounds per acre. In gathering winter squash it is important to keep the stems from being broken off. Pkts. 5c and 10c; 1 oz. 15c; ¼ lb. 45c.

**IMPROVED WARTED HUBBARD.** Standard winter squash for home, market and shipping. Fruits medium large; commonly 9 to 10 inches through; globular, dark bronze green, moderately warted; rind very hard and strong; flesh very thick, deep orange-yellow, fine grained and dry; of splendid quality.

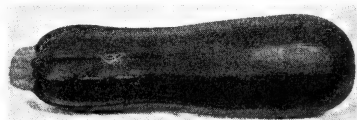
**BANANA or SWEET POTATO.** An excellently flavored winter squash. Fruit commonly 18 to 24 inches long and about 7 inches in diameter. The skin is gray-blue and not so hard as that of the Hubbard, while the flesh is fine grained, deep yellow, dry, sweet and of prime quality. Good keeper.

**TABLE QUEEN or DES MOINES.** Very early; extremely prolific; one of the most popular for home and market garden and shipping. Fruits pointed acorn shape; 5½ inches long and 4 inches through; uniformly ridged; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Vines yield prolifically and fruit matures in about 100 days. Fine for baking and serving in halves.

**EARLY SUMMER CROOKNECK.** Very early. 60 to 65 days. The bushy plant is very productive of attractive fruits, weighing about 2 pounds. The skin is distinctly warted and bears a bright yellow color, while the flesh is pale cream, firm and tender. A very good sort for home planting.

**WHITE BUSH SCALLOP.** A very early variety with flat, white scalloped squashes 4 to 6 inches in diameter. Vine bushy in habit and dwarf.

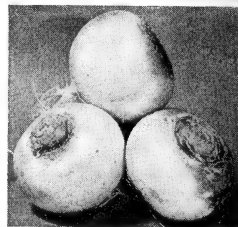
**GOLDEN HUBBARD.** A very good variety of medium size, weight about 8 pounds. An excellent keeper on account of its thick rind which is of a beautiful golden color.



**ZUCCHINI (Italian Marrow).** This is a new dark skinned type more desirable than former types. Matures in 65 days. Straight, almost cylindrical. Grows to a length of 18 inches and 4 inches in diameter. Fruits smooth, rich dark green with no striping or mottling. The favorite summer squash.

## TURNIPS

ONE OUNCE will seed 100 feet; 2 pounds will sow an acre. Turnips do best in highly enriched soil of light, sandy texture. Sow in drills from 12 to 15 inches and thin early to 8 or 9 inches apart.



**PURPLE TOP STRAP LEAF.**

Ready for the table in 45 days.

Very important home and market garden sort. Tops small, erect, compact. Roots flat, become 5 inches in diameter and half as thick; purplish red above and white below; flesh clear white, fine grained, mild. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.

**TURNIPS. PURPLE TOP STRAP LEAF**

**PURPLE TOP WHITE GLOBE.** Matures to table size in 55 days. Full size in 70 days. The standard home, market garden and shipping sort for table use. Tops medium large, compact, strap leaved. Roots globular, smooth; bright purplish-red above, white below; become 5 to 6 inches in diameter; flesh white, firm; fine grained and tender when young. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.

**WHITE EGG.** Ready for the table in 55 days. Tops erect, fairly compact; cut-leaved. Roots white, smooth, grown one-half above ground, egg shaped, 3 inches long; flesh white, firm grained, sweet and tender. Pkts. 5c and 10c; oz. 15c; ¼ lb. 40c.



# PROTECT YOUR GARDEN WITH THESE "ORTHO" PRODUCTS



The most common destructive insects are illustrated below (some greatly enlarged). The numbers indicate the products described on this page that are generally used in their control. Other pests are mentioned under product names.



Aphis  
3, 8, 11, 17



Leafhopper  
3, 8, 11, 17



Mealybug  
3, 8, 11, 16, 17



Thrips  
3, 8, 11, 17



Corn Earworm  
3, 4, 5



Scale Insects  
8, 11, 13, 16, 17



Red Spiders  
8, 11, 13, 16, 17



Diabrotica  
3, 5, 8, 17



Flea Beetle  
3, 4, 5, 8, 17



Sowbug  
2, 4, 5



Caterpillar  
3, 5, 8, 14, 17



Earwig 2



Snail 2



Slug 2

Weeds 21  
Sod Web Worm 8  
Fleas 3, 8  
Rodents 18

Spittle Bugs 3, 8, 17  
Aop'te Worm 5, 14  
Ants 1, 3, 8  
Cutworms 2, 4

## PLANT DISEASES

Black Spot on Roses 12, 17  
Leaf Spots 12, 17 Peach Blight 10, 12, 17  
Mildews 9, 12, 17 Peach Leaf Curl 10, 12, 17  
Molds 12, 17 Rose Mildew 11, 12, 17  
Rose Rust 12+16, 12, 17

## INSECTICIDES · FUNGICIDES WEED KILLERS

**1. ANT-B-GON Ant Poison.** For use against Argentine and Sweets-Eating Ants. With patented "wick" feeder for garden use. Keep a supply of filled dispensers in the garden near the house at all times.

**ANT-B-GON Dispenser Sets**  
Four, 1-oz. bottles.....\$ .60 per set  
**ANT-B-GON Ant Control Liquid**  
4 ounce bottle.....\$ .20 each  
16-oz. bot., ea. .50 32-oz. bot., ea. .90  
1-gal. tin, ea. 2.75

**2. BUG-GETA Metaldehyde Bait.** A specially prepared bait that has proved effective for use against Snails, Slugs, Sowbugs, Earwigs, Cutworms and Strawberry Root Weevils.  
1-lb. carton.....\$ .25 12-lb. bag.....\$1.75  
2½-lb. carton .50 30-lb. bag.....3.75  
6-lb. carton.....1.00

**3. BOTANO Garden Dust.** New, improved multi-purpose dust mixture packed in a convenient self-use duster package. For use on Ornamental plants, flowers and vegetables against 16 different garden pests including certain Ants, Aphids, Beetles, Black Spot Diseases, Caterpillars, Cabbage Worm, Tomato Worm, Fleas, Mildews, Pear Slug, Red Spiders, Rose Mildew, Rose Slug, Sow Bugs, Spittle Bugs, Thrips.  
10-oz. duster, ea.....\$ .49

**4. CALCIUM ARSENATE.** A strong stomach poison used in making poisoned baits, and as a dust or spray to control certain Beetles and Worms.  
1-lb. carton.....\$ .25 4-lb. bags.....\$ .60

**5. CALTOX Insecticide-Fungicide.** For dusting or spraying. Has proved remarkably effective for control of Sowbugs, Diabrotica Beetle, Flea Beetle and other Beetles; Corn Earworm; Rose Slug and other worms.  
6-oz. ctn. (makes 8 to 16 gal. spray) \$ .35  
1-lb. ctn. ....\$ .60 3-lb. ctn. ....1.25

**6. CONTAX Pruning Paint.** A new, modern plastic pruning and grafting composition. "CONTAX" has been developed for use as a general pruning paint, a grafting compound for certain varieties of trees and in connection with tree surgery operations.  
1-pint tin, ea. \$ .35 1-gal. tin, ea. \$1.50  
1-quart tin, ea. .60 5-gal. tin, ea. 6.00

**7. DEADLINE Insect Barrier.** For control of climbing insects on certain varieties of mature trees. Apply on an undercoating of shellac. For use on mature trees only and on mature Grapevines.  
6-oz. tin.....\$ .35 1-lb. tin.....\$ .70

**8. EXTRAX Insect Spray.** A complete insect spray, with Pyrethrum and Rotenone as the main active ingredients and sufficient wetting agent to give high wetting at normal dilution. Combines with GREENOL Liquid Fungicide to make a simple "2-bottle program" of garden pest control. The low dilution effective strength makes "EXTRAX" an economical spray for general garden use.  
1-oz. bot., ea. \$ .35 16-oz. bot., ea. \$2.75  
4-oz. bot., ea. 1.00 ½-gal., ea. ....7.95  
1-gal. tin, ea. 15.00

**9. FLOTOX Garden SULFUR.** A fine Powdered Sulfur suitable for use as a Dust or Spray to control Powdery Mildew, Apple Scab, Brown Rot and Red Spider.  
26-oz. carton.....\$ .25 4-lb. carton.....\$ .50

**10. Garden BORDO (Bordeaux Mixture).** A Copper Fungicide widely used to control plant diseases.  
1-lb. carton.....\$ .35 4-lb. bag.....\$ .90

**11. Garden VOLCK Spray.** The complete contact spray used for control of sucking insects, including Aphids, Thrips, Mealybug, Scale, White Fly, Red Spider, Cylindrum Mite, small Worms, certain Beetles, Rose Mildew.

Garden VOLCK Spray is now the best known all-around garden spray used by home gardeners.

4-oz. bottle.....\$ .35 1-gallon tin.....\$3.00  
1-pint bottle......85 5-gallon tin.....10.00  
1-quart bottle.....1.25

**12. GREENOL Liquid Fungicide.** A low dilution liquid fungicide containing copper and its own wetting agent, so as to give high wetting at normal dilution. Used to prevent and control certain garden diseases as Mildew, Rust, Leaf Curl and Leaf Spot and certain other diseases effectively treated with such copper fungicides. "GREENOL" is compatible with "EXTRAX" to make a convenient 2-bottle program of garden pest control.  
1-oz. bot., ea. \$ .35 16-oz. bot., ea. \$1.50  
4-oz. bot., ea. .60 ½-gal. tin, ea. 3.95  
1-gal. tin, ea. 7.50

**13. KLEENUP Dormant Oil Spray Emulsion.** Used on dormant Deciduous Trees and Shrubs to kill San Jose Scale, Lecanium Scale, and other over-wintering insect pests.  
1-quart tin (makes 6 gallons), each.....\$ .50  
1-gal. tin, ea.....\$1.00 5-gal. tin.....3.00

**14. LEAD ARSENATE (Basic).** Used as a spray or dust to control chewing insects such as Beetles, Caterpillars and Worms.  
1-lb. tin.....\$ .35 5-lb. tin.....\$1.50

**15. LIME-SULFUR (Dry).** A fungicide-Insecticide, used to control certain fungous diseases and certain insects.  
1-lb. tin.....\$ .39 5-lb. tin.....\$1.55

**16. Nursery VOLCK Summer Oil Spray.** Long recognized as a superior spray for Mealybug, Red Spider, Scale, White Fly. Also recommended as carrier and spreader for Nicotine, Pyrethrum, Rotenone, Bordeaux, "CALTOX", Lead Arsenate, in combination spray mixtures.

1-pint tin.....\$ .50 1-gallon tin.....\$2.00  
1-quart tin......75 5-gallon tin.....5.00

**17. "ORTHO" ROSE SPRAY KIT.** A special combination Kit containing a 2-oz. bottle EXTRAX Insect Spray and a 2-oz. bottle GREENOL Liquid Fungicide together with an illustrated circular on Rose Pest Control. Makes 12 gallons combination spray for simplified control of many Rose Insects and Diseases including certain Aphids, Beetles, Caterpillars, Leafhoppers, Red Spiders, Rose Slugs, Rose Chafers, Scale Insects, Thrips, Black Spot on Roses, Scale Mildews and Rose Rust.  
Complete Rose Spray Kit.....\$1.00

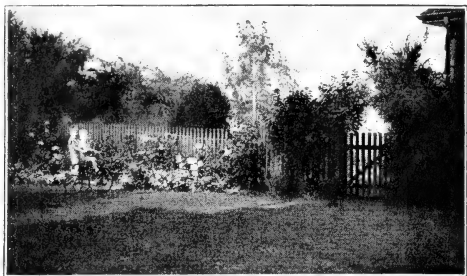
**18. Rodent Destroyer.** A balanced strychnine-poisoned ration containing Wheat, Barley, Oats, and Fruits. Used to kill Gophers, Squirrels, Rats, Mice and Prairie Dogs. Longer lasting, waterproof, more effective.  
6-oz. carton.....\$ .30 5-lb. carton.....\$2.00  
1-lb. carton......60

**19. SCRAM Dog Repellent.** A powder used around Lawns and Shrubs to repel Dogs.  
Special Shaker Package.....\$ .49

**20. "TRANSPANTONE".** A water soluble powder containing two plant hormones including naphthalylacetamide, and three vitamins including vitamins B1 and C. The hormones initiate or form roots, while the vitamins are for their continued growth.  
½-oz. can, ea. \$ .25 1-lb. can, ea. \$4.00  
3-oz. can, ea. 1.00

**21. TRIOX Weed Killer.** The improved "ORTHO" Weed Killer, used to kill weeds on paths, roads, curbs, tennis courts, parking lots, athletic fields, etc.  
1-pt. tin, ea......50 1-gal. tin, ea.....\$2.00  
1-qt. tin, ea......75 5-gal. tin, ea.....6.25

THESE PRICES SUBJECT TO CHANGE WITHOUT NOTICE



## Why I Recommend Vigoro



I always recommend Vigoro as the plant food to use in feeding all growing things. I know that it will give marvelous results every time. It's a complete plant food... every one of the 11 different plant food elements plants must get from the soil are right here in Vigoro.

Take my advice and try Vigoro this year. Clean and odorless, it's mighty nice to work with. And it's economical, too. Use it for lawns, flowers, shrubs, trees, and vegetables.

—THE MASTER GARDENER

100-lb. bag	.. \$3.50
50-lb. bag	.. 2.30
25-lb. bag	.. 1.40
10-lb. pkg.	.. .70
5-lb. pkg.	.. .45
1-lb. pkg.	.. .10

**VIGORO**  
Complete plant food

A Product of Swift

## FERTILIZERS

ALL SOLD AT CURRENT MARKET PRICES  
ASK FOR QUOTATIONS

**AMMONIUM SULPHATE** is a valuable fertilizer for all plants in which a large leaf development or rapid growth is desired. It will stimulate growth almost immediately. It is also used for top-dressing lawns, producing a thick velvet growth and discouraging weeds. One pound to 200 square feet is sufficient.

**BONE MEAL.** Extra fine; is a fertilizer recommended for lawns, rose bushes, grape vines, especially where a moderately slow fertilizer is needed for the deep-rooted shrubbery and where a perfectly safe fertilizer is required.

**GRANULATED PEAT MOSS.** For greenhouse, garden and home. Our peat moss is of the finest quality you can buy anywhere at any price. Its use contributes to the humus content of the soil, lightening heavy clay and binding sandy soils. It insulates soil against freezing and thawing in winter and conserves moisture in summer. Clean, odorless and economical to use.

**SHEEP GUANO.** An efficient fertilizer to use on lawns, in the garden, the perennial border, shrubbery beds, small fruit garden, flower beds, etc. It is safe and dependable.

**NITRATE OF SODA.** A fertilizer for all crops; quick in action and hastens the maturity of crops fully two weeks. It should not be applied until the plants are above the ground. Do not allow solution to touch foliage. Dissolve 1 oz. to 2 gallons or 1 lb. to 50 gallons.

**SUPERPHOSPHATE (Acid or Rock Phosphate)** is a water soluble combination of phosphoric acid and lime which is formed by the action of sulphuric acid on raw phosphate rock. It aids in plant nutrition and assists the plant to assimilate other ingredients. Superphosphate is an efficient fertilizer element.

**TANKAGE.** Containing by products from slaughter houses and contains blood, meat, bone that has been cooked, dried and ground. It contains no potash and for best results potash should be mixed with tankage.

**HYDRATED LIME.** A soil sweetener.

**MURIATE OF POTASH.** This fertilizer is especially valuable for fruit trees and berries.

**SULPHATE OF POTASH.** A desirable form of potash, especially valuable for potatoes and any root crop, such as beets, turnips, etc.

# NuLife

## LAWN AND GARDEN FERTILIZER

Quick Acting — Long Lasting — Economical

A Complete Balanced Organic Base Fertilizer.

Contains Nitrogen, Phosphoric Acid, Potash and in addition the "RARE ELEMENTS" and Vitamins so necessary to restore the Fertility of the Soil and Promote Strong, Healthy, Vigorous Plant Growth.



### LAWNS - FLOWERS - VEGETABLES SHRUBS - TREES

100 lbs.	..... \$3.50
50 lbs.	..... 2.30
25 lbs.	..... 1.40
10 lbs.	..... .70
5 lbs.	..... .45
2 lbs.	..... .20

★

A Product of  
**Carstens Packing Co.**

Tacoma, Wash.

## Weed your lawn with **LAWN SINOX**

*Sprayed on your  
lawn in diluted form  
**LAWN SINOX** destroys*

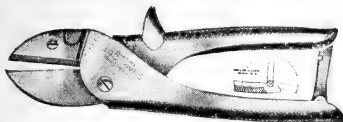
weeds, including dandelions, crab grass, chickweed, plantains, yarrow moss and many others without permanent injury to the grass. **LAWN SINOX** has been thoroughly tested and is recommended by leading Agricultural Colleges.

To you who are trying to save your lawn from being over-run by weeds and who have spent countless hours hand-weeding, we recommend **LAWN SINOX**. The simplicity of application saves many hours of back-breaking labor.

**ECONOMICAL To Use**

1 pt. (covers 1000 sq. ft.)	\$1.25
1 qt. (covers 2000 sq. ft.)	\$2.00
1 gal. (covers 8000 sq. ft.)	\$5.50

**KILLS  
WEEDS  
WITHOUT  
PERMANENT  
INJURY  
TO GRASS!**



"SNAP-CUT" out-cuts all other pruners. Orchardists, home and professional gardeners everywhere recognize the "SNAP-CUT" as the most efficient pruner on the market today. A new cutting principle makes for easier cutting. Small in size, light in weight. Its handles are wide, comfortable and non-pinching. Those who have tried "SNAP-CUT" will use no other pruner. Even a child can handle this easy cutting pruning shear. Price each, \$2.00. FREE book, "Secrets of Success in Pruning", sent to you by the manufacturer.

"CYCLONE" SEEDER is the most widely known and used seeder of all broadcast seeders. The working parts are all attached to a rigid frame of kiln-dried lumber. Built into this is a sloping feed-board that forms the bottom of the seed compartment. It is unnecessary to tilt the machine as gravity keeps the seed flowing down to the outlet until seed bag is empty. Shipping weight 5 lbs.

Price, \$2.75; (postage paid, \$3.00)



## VEGETABLE SPRAY

For 30 years the most effective and economical Root Maggot Preventive on the market for the protection of all vegetable plants affected by Root Maggots.

Prices: 1/2 pints 50c, pints 75c, quarts \$1.00  
gallons \$2.25, in 5 gal. cans \$2.00 per gal.

Add 75-100 parts of water to Carco Vegetable Spray



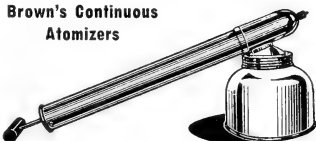
## Brown's Open-Hed Sprayers

The very latest in Compressed Air Sprayers. Tank electrically welded and hot galvanized after fabrication, insuring greatest of safety. Automatic shut-off with new sta-open finger tip control. 5" diameter tank opening permits easy filling and cleaning. A safe, durable and convenient Sprayer to serve many purposes. Equipped with wide adjustable carrying strap, 5-ply hose, automatic shut-off, 24" brass extension, swivel nozzle coupling and non-clog nozzle.

Each

- No. 4D, 4 gal. galv. Open-Hed Sprayer... \$ 7.35
- No. 4B, 4 gal. brass Open-Hed Sprayer... 11.95
- No. 3D, 3 gal. galv. Open-Hed Sprayer... 6.65
- No. 3B, 3 gal. brass Open-Hed Sprayer... 10.25

## Brown's Continuous Atomizers



Brown's new style continuous atomizers feature the non-tippable dome-top design, with large screw lock tank opening and new one-point universal all-direction nozzle. Furnished in the following models:

- No. 33S Sprayer (pictured) 1-quart, solid brass and copper, each... \$1.85
- No. 31S Sprayer, 1-quart, tin pump and tin tank, each... .95
- Duspra Sprayer, 1-pint, tin pump and tin tank, each... .65
- No. 26BG Sprayer, 1-quart, tin pump, copper cone, glass jar, each... 1.25



Women's Sizes  
Small, Med., Large

**National Eezy Wear**  
Garden Gloves

Give you everything you want —

All-Leather  
SOFT AS KID  
Durable

DIRT-PROOF  
Easy to Wear  
WASHABLE



Men's Sizes  
Small, Med., Large

Economical, too—outwear 6 pairs of fabric gloves and can be used the year 'round for GARDENING, GARAGE, HOUSEWORK, FURNACE, YARD, PAINTING, ETC. They are a real value at 75c a pair, postpaid.

## New Improved SEMESAN BEL for Seed Potatoes

This easy potato dip disinfectant lowers the cost and improves yields. Just dipping seed potatoes in SEMESAN BEL solution eliminates such diseases as scab, rhizoctonia and black leaf. Improves germination and produces bigger crops. One pound treats 70 to 80 bushels of seed.

Prices: 2-oz. envelope, 30c; 1 lb. \$1.65; 5 lbs. \$1.75; 25 lbs. \$33.25, not prepaid. Pamphlet free.



## SEMESAN—for Flower and Vegetable Seeds



Diseases carried on the seed often reduce germination and cause a poor stand, lowered quality, and unsatisfactory yields. Destroy these disease organisms without injuring the seed by treating your seed bulbs, roots, corms and tubers with SEMESAN. Easily and quickly applied as a dust or liquid. Effective in controlling damping-off of seedlings. Costs 1/4 to 1 cent a pound as one ounce treats 15 to 30 pounds of seed. Not mailable.

Prices: 2-oz. tin, 40c; 1-lb. tin, \$2.50; 5-lb. tin, \$11.40; 25-lb. pail, \$52.50.

## Brown's Single-Action Atomizers



Modern single-action atomizers with screw lock and dome-top non-tippable design. Attractively lithographed powerful pump. Will not drip or dribble. All tin.

- No. 14 Sprayer, 1-quart, single-action Sprayer, each... \$ .40
- No. 12 Sprayer, 1-pint, single-action Sprayer, each... .35
- No. 18G, 5-oz. glass jar, tin pump single-action Sprayer, each... .20

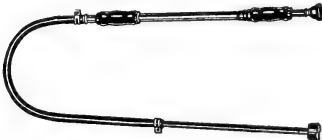
## GRAFTING WAX

One-pound bars 60c; 1/2-pound 35c; 1/4-pound 20c

MOLE EXTERMINATORS—Each 5c; pkg. of 12 55c

MOLE TRAPES—Out o' Sight. Each .....\$1.45

## Brown's Siren Pump



An excellent solid brass double-acting pump, generating 300 lbs. pressure. Furnished with 4 nozzles; short range mist non-clog nozzle; long range semi-mist non-clog nozzle; short range fan spray-nozzle; long range solid stream nozzle. Can be used in combination with bucket or barrel; will throw spray 25 feet in air; recommended for general spraying and forest fire-fighting.

Siren Pump, all brass, with strainer pipe and nozzles, each... \$4.85



## Brown's Crystal Duster

A one-quart glass jar, tin pump Duster, 40" long and with angle nozzle. Large pump, 1 3/4" x 18", permits large blast of air; discharge tube screened to hold back lumps. A truly

outstanding Duster for all general dusting purposes.

Crystal Duster, 1-quart glass jar, tin pump, each... \$1.35

# FIELD GRASS SEEDS . . . Write or Ask for Prices

**RED TOP (Herds Grass).** Sow 12 to 15 pounds per acre. This is one of the most valuable and satisfactory grasses in all localities. Thrives on low ground, where water stands late in the season. Red Top should be included in all mixtures intended for permanent pastures or hay. It makes excellent pasturage and is ideal for hay. When well established it spreads and will supplant other grasses. Fine for hillsides, will prevent erosion. Matures at the same time as Meadow Fescue, Orchard Grass, Tall Oats Grass and Timothy. Ask for prices.

**TALL MEADOW OAT GRASS (Evergreen Grass).** This grass seems to make more leafage and grazing, a larger yield of hay and to keep green longer, both during the winter and summer, than most grasses. It is especially adapted to heavy soils. It withstands heat and drought and the cold of winter; starts very early in the spring and continues late in the fall. For hay it can be cut twice in a season, frequently producing doubly as much hay as timothy. Ripens at the same time as Orchard Grass and Red or Alsike Clover. Thrives on uplands but gives excellent results on nearly all soils and better than most grasses on light and sandy soils. When sown alone, sow 25 to 30 pounds to the acre either in spring or fall. Ask for prices.

**KENTUCKY BLUE GRASS.** Sow 20 to 30 pounds per acre. There is no better grass for permanent pasture than Kentucky Blue Grass. It is nutritious, palatable and a heavy producer. Except in very light soils it should be included in every mixture. Very hardy, spreads freely, produces abundantly, withstands drought and cannot be tramped out. Ask for prices.

**WINTER BLUE GRASS (Poa Bubosa).** "The Grass That Grows When Other Grasses Sleep." Poa Bubosa reverses the normal order of growth and produces winter grass while other crops are dormant. It is a perennial and distantly related to Kentucky Blue Grass. Cattle eat Poa Bubosa readily and greatly relish this grass either in the green stage or as dry pasture. Poa Bubosa can be winter pastured and toward spring the cattle removed to permit the grass to grow to full development when it can be either dry pastured or cut for hay. It supplies winter grazing when all other grasses are dormant. Will not become a pest. Requires no further seeding when once established. Plant in the fall or early winter, seeding at the rate of 25 pounds per acre. Poa Bubosa can be combined with alfalfa resulting in two crops from the same piece of ground; hay crops in the summer and pasture during the winter. Postpaid, small lot price, 40c lb. Write for quantity prices.

**OREGON RYE GRASS.** A rapid grower, very winter hardy, leaves and stems medium fine, stools heavily, has a bright green color. Excellent for pasture or for hay. Plant with Ladino Clover to prevent bloating. Sow 20 pounds per acre. Ask for prices.

**BROME GRASS.** Will stand drought and produce heavy crops in dry sections and on poor soils where other grasses perish. It is one of the hardiest growers and succeeds on our dry hillsides. Sow 35 pounds per acre. Ask for prices.

**TIMOTHY, the Most Extensively Grown Hay Grass.** Sow 12 to 15 pounds per acre. For hay, timothy is the best known and most extensively grown of all grasses. A stand is easily established, it is inexpensive to sow, it starts quickly and yields its best crop the year after it is sown, but the following year's crop may be equally as heavy if liberally top-dressed with manure. The yield on good land frequently runs from 1½ to 3 tons per acre. Meadow Fescue or Kentucky Blue Grass, Red

Top or Herds Grass and Ladino Clover all mature at the same time as Timothy, and are good grasses to sow with it for hay and pasture. A good mixture is 6 pounds Timothy, 5 pounds Red Top, 7 pounds Meadow Fescue and 4 pounds Ladino Clover. Sow this mixture at the rate of 20 pounds per acre. Ask for prices.

**ORCHARD GRASS.** The greatest pasture and hay grass. A very vigorous grower and yields large crops of excellent and nutritious hay, as well as having special value as a pasture grass, furnishing good grazing from early spring till winter. It adapts itself to a variety of soils, provided they are well drained, but succeeds best on loamy uplands or moderately stiff soils, although it does quite well on soils that are inclined to be sandy. A mixture of 15 pounds of Orchard Grass, 12 pounds of Tall Meadow Oat Grass and 8 pounds of Red or Alsike Clover has proved very satisfactory, is recommended for hay and pasture. When sown alone, plant 30 to 35 pounds per acre. In a mixture as above, sow 20 pounds per acre. Ask for prices.

**ENGLISH RYE GRASS (Perennial).** A quick grower and excellent for pasture or hay. Unlike Oregon Rye Grass, English Rye is a perennial which persists for years. It is a heavy yielder and of excellent quality as hay. English Rye Grass should be used in every pasture or meadow mixture. Ask for prices.

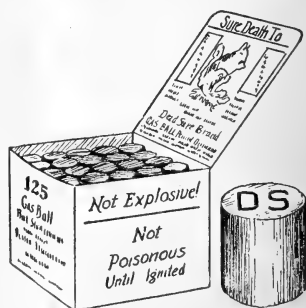
**SUPERIOR REED CANARY GRASS.** This grass is a selection made at Oregon Experiment Station from the common lowland type of Reed Canary Grass. It yields heavy forage crops on higher, better drained soils that get quite dry during summer months. It is perennial, is winter hardy. Starts early in the spring, has excellent seed producing habits. High palatability and nutritive values and matures uniformly for hay and seed. Ask for prices.

**PASTURE MIXTURE.** This is a combination of grasses and clover, ideal for permanent pasture or for hay. Combined the following grasses and clover in perfect proportions: Eng. Rye Grass, Kentucky Blue Grass, Tall Fescue, Tall Oat Grass, Timothy, Alsike, Red and White Sweet Clover, and Orchard Grass. We have sold this blend for years and receive many compliments on the mixture. Ask for prices.

**SUDAN GRASS.** A wonderful quick-growing Summer Hay Grass. An annual with short fibrous roots that are killed by frost. Because of this characteristic, Sudan Grass will never become a pest as will Johnson Grass. Its greatest value is for hay, which is well liked by stock—the entire plant, leaves, stems and heads, is eaten. Sow 5 to 6 pounds to the acre in 2-foot rows; 20 to 25 pounds broadcast. Ask for prices.

## "Dead Sure" Gas Ball RODENT DESTROYERS

This is a gas ball which, when lighted and placed in the proper position down in the runway, pours forth a deadly, poisonous gas that carries death to any living thing in the burrow. Although it means absolute destruction to the rodents it is perfectly safe for the user to handle without injury. Keep indefinitely. Instructions for use with each order. Dozen, 45c. Write for quantity prices.



# ALFALFA and CLOVER SEEDS

## CLOVER

**ALSIKE CLOVER.** This is a perennial adapted for hay or pasture. A valuable crop for bee pasture. Does well either on poor dry soils or in wet rich soil. Being finer, brighter and not so dusty. Alsike hay is preferred to Red Clover. Inoculate all clovers and be sure to get a stand. Ask for prices.

**LADINO CLOVER** will pasture more cattle and hogs than any other clover with the possible exception of Strawberry Clover which is fast coming into importance as a clover pasture crop. Ladino is perennial, heavy producing and very palatable. It grows 12 to 18 inches tall. Ladino increases milk flow, improves soil, will thrive on shallow moist soils and is the first clover to awaken in the spring and the last plant to quit in the fall. Prepare a fine seed bed and sow the seed at the rate of 6 pounds per acre. Cover lightly with a brush harrow. If you use a sloping tooth harrow, set the teeth back to the limit to avoid covering too deeply. To prevent bloating include grasses such as Rye Grass, Orchard Grass or Fescue. Ask for prices.

**WHITE BLOSSOM SWEET CLOVER.** Sweet Clover is one of the most important soil improving crops. Withstands adverse conditions of soil and weather better than alfalfa and red clover. Does not winterkill. Produces more on this land than alfalfa and red clover and is equal to alfalfa and red clover in nutritive value. Sow it on lands too poor, too worn out, too sandy for other crops and bring the land into condition to produce profitable crops. Make the seedbed fine and compact and cover the seed lightly. Inoculate with Nitragin, listed below. Plant 20 pounds to the acre from February to March. We offer only scarified, hulled, fancy seed, free of dodder, of high purity and germination. Ask for prices.



LADINO CLOVER

**CRIMSON CLOVER.** Very productive and greedily eaten by cattle. An annual clover. Remains green longer than Red Clover and is excellent for bee food. Largely used for green manuring. Sown in August it may be plowed under the following June. Sow 15 lbs. per acre. Ask for prices.

**RED CLOVER.** The standard clover for all purposes. Makes an excellent hay when mixed with timothy. Succeeds well on most any soil. Inoculate seed before planting and you'll be sure to get a stand. Ask for prices.

**STRAWBERRY CLOVER.** This clover is a perennial, low-growing, pasture legume, spreading vegetatively by creeping stems that root at the nodes. The leaves, stems, and habit of growth are somewhat similar to White Clover, making it generally difficult to distinguish, when not in bloom, from certain types of White Clover. The tolerance of Strawberry Clover to seeped, saline and alkaline soils containing concentrations of salts that inhibit the growth of most other crop plants is of particular importance. The growth of this clover is not limited to salty conditions, as it will thrive on low, wet, non-saline soils as well. Although it will live on relatively dry conditions and will survive short periods of drought the clover will not make sufficient growth to warrant its use on dry lands. Seed early in the spring on a firm, moist seed bed. Sow 4 to 5 lbs. seed per acre and cover lightly. Once a stand of Strawberry Clover is established it will stand unlimited pasturing without damage, differing greatly in this respect from ordinary clover in that they will thin out under heavy grazing while Strawberry Clover will thicken up and hold fast to the ground. Write for prices.

**GRIMM ALFALFA.** The hardiest of all alfalfa and will stand the severest winters of our mountain sections. It has a branching root growth that gives the plant a firm hold on the soil and prevents heaving by frequent freezing and thaws, and also adapts it to shallower soils. If your soil has a hardpan near the surface, or if your farm is in the mountain section, it will pay you to give Grimm the preference. Being short rooted, Grimm will thrive on soils where the water table is close to the surface. Grimm is very leafy and fine stemmed and is preferred by most hay buyers. Sow Grimm 8 pounds per acre after frost danger is over. Fertilize with Soil Sulphur or Superphosphate for bumper crops the first season. We handle only State Sealed and Certified Grimm seed. Write for prices.

**COMMON or CHILEAN ALFALFA.** This is the popular long-rooted variety so universally grown. Best adapted to deep soils. We handle only the hardiest types of Chilean, selecting our seed from growing districts which produce seed of true type. Our mountain grown seed will produce stands of longer duration and prove more profitable to plant. Write for prices.

**INOCULATE**  
your LEGUMES  
with  
**NITRAGIN**

1898 Forty Four Years of Service 1942

for ALFALFA, CLOVER,  
BEANS, COWPEAS, PEAS,  
SOYBEANS, LESPEDEZA,  
PEANUTS, all LEGUMES

PRICES REDUCED ON PEA, VETCH, LESPEDEZA,  
COWPEAS, PEANUTS, AND SOYBEAN GROUPS

### BUILD UP YOUR SOIL

#### Inoculate Your Legumes with NITRAGIN

Inoculate your Legume seeds even tho planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

#### NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

##### ALFALFA, all CLOVERS

Size	Retail
1/2 bu. ea.....	\$ .30
1 bu. ea.....	.50
2 1/2 bu. ea.....	1.00

##### PEAS (All Varieties)

Size	Retail
1/2 bu. ea.....	\$ .25
1 bu. ea.....	.35
1 3/4 bu. ea.....	.50
1 1/2 bu. ea.....	3.50

##### BEANS

##### String, Wax, Kidney

Size	Retail
1/2 bu. ea.....	\$ .25
1 bu. ea.....	.35
1 1/2 bu. ea.....	.50

##### LESPEDEZA Hulled or Unhulled

Size	Retail
Small (Inoculates up to 10 lb. seed) ..	\$ .35
Large (Inoculates up to 100 lb. seed) ..	.50

##### SOYBEANS, LIMA BEANS,

##### COW PEAS AND PEANUTS

Size	Retail
Small (Inoculates up to 120 lb. seed) ..	\$ .30
5 bu. ea.....	.55
25 bu. one can) ea..	2.50
30 bu. (one ctn.) ea..	3.25

##### (Contains 6-5 bu. cans)

##### GARDEN SIZE

Garden Peas and Beans  
Sweet Peas and Lupines  
Enough for 6 lbs. seed  
Retail Price 10c each.

**NITRAGIN — Oldest and Most Widely Used Inoculator in America**



**Germaco**  
**TWIST-EMS**  
 Pat. Pend. T. M.  
 Reg. U. S. Pat. Off.

... Help you support plants quickly, neatly, permanently!

Banish unsightly twine and raffia, needless work with shears. TWIST-EMS—strong, dark-green "invisible" tapes, protect stems, permanently support plants. Save time and money arranging flowers, tying bouquets. Millions used. Buy today.

BOX of 125 (8" LONG)  
 or BOX of 250  
 (4" LONG) ...  
 NEW! BOX of  
 125 (16" LONG)

25c

50c



Add To Your  
 Gardening Pleasure...  
**ORDER THESE**  
**GERMACO PRODUCTS**  
 Now!



### The New Streamlined HARCO SPRAYER

Brand-new, efficient, easy-to-use. Harco's conveniently-long extension rod quickly sends a penetrating spray where it is most needed for effective garden pest control.

Get yours today, only \$2.35.



WHY JANE TOMPKINS ALWAYS KNOWS HOW TO GROW  
**Hotkaps**  
 How Hotkaps help you grow Earlier, Hardier Vegetables, Flowers



### Germaco Hotkaps

... for SURE CROPS 3 WEEKS EARLIER

HOTKAPS, patented strong little hot-houses, completely protect plants from destructive frost, to 51%, ripen plants 18% early. Easy to set. Millions used. Order today. 25 Hotkaps with Setter... \$50c. 1000, \$11.00; 250 with Setter, Tamper, \$4.25; 100 with Setter, Tamper, \$2.85.

It's Compact! It's Bantamweight! It's Efficient! It's Low Priced!  
**The NEW HAYES-ETTE Self-Mix Garden HOSE SPRAYER for Your Small Garden**



Operates easily. Sprays all modern materials free from soap—up, down, sideways, continuously. Capacity 1½ gallons of mixed spray material.

Order your HAYES-ETTE today.

Only

**\$2.95**



Just Press The Lever Lightly...

### HAYES JR. Self-Mix Garden Hose SPRAY GUN

Takes the Work Out of Spraying

For average-size garden. Simply attaches to garden hose. Mixes insecticide automatically, properly—no waste. Adjustable nozzle sprays up, down, sideways. Sprays liquids and most wettable powders. Order now..... \$5.95 each



### 5 Reasons WHY IT PAYS TO FERTILIZE YOUR LAWN THE NEW, QUICK E-Z WAY!

1. "E-Z" TO USE—Fill container with any commercial plant food, guide E-Z Fertilizer Spreader & lawn is covered.
2. Scientific uniform distribution.
3. Quick.
4. Economical.
5. Strong—Long life.

Excellent for sowing lawn seed. Order today. **\$1.25**  
**Germaco FERTILIZER E-Z SPREADER**



## WHICH DO YOU WANT?



THIS

OR



THIS

The hormones and vitamins (B, and others) found together only in

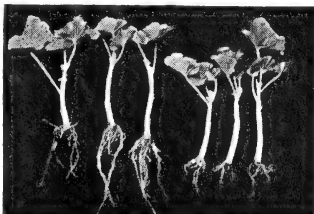


THE HORMONE-VITAMIN POWDER

Stop the shock and wilt usually inevitable after transplanting all kinds of plants. Simple, Safe. Economical to use. ½ oz. packet 25c, 1 oz. can 50c, 3 oz. can \$1.00, 1 lb. can \$4.00.

## ROOTONE

Reg. U. S. Pat. Off.



Geranium Cuttings. Treated and Untreated

**ROOTONE**, the plant hormone powder. Dip cuttings in Rootone before planting to give faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use. ¼ oz. packet 25c. 2 oz. jar \$1.00. 1 lb. can \$5.00.



## ANTROL Kills Sweet and Grease Eating Ants

A SCIENTIFIC METHOD, SAFE, SURE, PERMANENT

Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The ant family is often killed at the source—the only way to get permanent relief. Controls both sweet and grease-eating ants. Guaranteed. Proved in over a million homes. Prices: Antrol Ready-filled set, contains 4 filled feeders, 40c; Antrol Regular Set, 4 containers and 4-oz. bottle syrup, enough for 2 fillings.....60c. Antrol Syrup for refilling, 4-oz. bottle, 20c. Pint bottle, 50c.



SAFE TO USE AROUND CHILDREN AND PETS  
 Can be used inside or outside the house.



### ANTROL ANT TRAPS

Kills both sweet and grease eating ants, contains two kinds of specially prepared material. Each 10c. Can be used inside or outside the house.

### SNAROL

Metaldehyde-Arsenical Bait

Attracts and kills snails and slugs. Snarol may also be used to control Sowbugs, Cutworms, Earwigs, etc. A ready-prepared bait meal that is non-injurious to vegetation when used as directed. Retains its effectiveness for from five to ten days after being put out. 1-lb. packages, 25c; 2½-lb. packages, 50c; 6-lb. packages, \$1.00; 10-lb. bags, \$1.50; 50-lb. bags, \$5.50.



### ANTROL SOWBUG-CUTWORM CONTROL

An especially prepared bait made very attractive to these hard to control pests and used by commercial and home gardeners everywhere. Guaranteed to give satisfaction. Packed in cans with convenient pouring spout. 8 oz. can, 25c; 12 oz. can, 35c; 2½ lb. can, \$1.00



## KEEP YOUR GARDEN FREE from Pests and Diseases the Easy, Positive BARFOOT WAY



You'll like Barfoot Sprays because they're

1. Kind to your tenderest foliage.
2. Economical—1 teaspoon makes a gallon.
3. Easy to mix, have pleasant aroma.
4. 100% Effective!



- Use **BARFOOT ROTENONE SPRAY** to Kill and Prevent All Sucking, Many Chewing Insects ..... 1 oz. 35c; 4 oz. \$1.00
- Use **BARFOOT FUNGICIDE** to control most Fungi ..... 1 oz. 25c; 4 oz. 75c
- Combine **BARFOOT NEUTRAL SPREADER** with Both Barfoot Rotenone and Fungicide to Penetrate Everywhere. This "lubricant" enables your Barfoot Rotenone and Fungicide to penetrate close-fitting leaf sheaves, rolled-up buds . . . everywhere! ..... 1 oz. 15c; 4 oz. 35c

Blend 25 Gals. Barfoot Spray Quickly,  
Accurately with the New . . .

### BARFOOT SPRAY KIT

Here's What-All You Get—

Barfoot Spray (4 oz.), Barfoot Fungicide (4 oz.), Barfoot Spreader (4 oz.), Handy Measuring Bottle, Spray Chart, Spray Record \$2.10 Calendar—all for only...

For a healthy, pest-free garden, follow the lead of horticultural experts . . . Spray with BARFOOT.



Be Lucky! Insist on the  
4-Leaf Clover Bottle!



## HASTINGS SOIL-SOAKER

Made of canvas — scientifically treated to resist mildew. **SOIL-SOAKER** is open only at one end and screws to the end of the water hose, replacing the nozzle. When the water is turned on, **SOIL-SOAKER** fills with water and normal pressure forces water through the pores of the entire

surface, uniformly, without spray. Easily moved without shutting off water, or getting wet. Self-cleaning. The soil is soaked deeply and thoroughly, covering an area on all sides of the **SOIL-SOAKER**. Far more beneficial than light surface-sprinkling. Puts the moisture down into the soil. Avoids water waste.

**SOIL-SOAKER** enables you to put the water exactly where you want it—none sprayed on walks, driveways or other places you do not want to reach. Excellent for irrigating around plants where moisture is apt to damage foliage. Water deep with a **SOIL-SOAKER**. Two lengths. 18-ft. \$1.85, postage paid; 30-ft. \$2.85, postage paid.



With guard that protects the valve. Price complete with 12-oz. can of Getzum Weed Destroyer ..... \$1.75  
Additional pints ..... .29  
Gallon ..... 1.75

## PLANTING TABLE FOR VEGETABLES

SPECIES	Seed required for 50 ft. of row	Seed required to sow an acre	Distance between rows inches	Distance apart in row inches	Depth of planting inches
Beans, Bush	1 1/2 lb.	50 to 60 lbs.	24 to 30	2 to 3	1 1/2 to 2
Beans, Lima	1 1/2 lb.	30 to 60 lbs.	24 to 36	3 to 6	1 1/2 to 2
Beans, Pole	1 1/2 lb.	30 to 35 lbs.	36 to 48	6 to 8	1 1/2 to 2
Beet	1 1/2 oz.	8 to 14 lbs.	14 to 24	3 to 4	1/2 to 1
Beet, Mangel & Sugar	1 1/2 oz.	6 to 10 lbs.	18 to 24	6 to 9	1/2 to 1
Swiss Chard	1 1/2 oz.	6 to 10 lbs.	18 to 24	10 to 12	1
Broccoli	1/4 oz.	4 oz.	20 to 36	16 to 22	1/2 to 1
Brussels Sprouts	1/4 oz.	4 oz.	20 to 36	16 to 22	1/2 to 3/4
Cabbage	1/4 oz.	4 oz.	18 to 36	14 to 24	1/2
Carrot	1/4 oz.	3 to 4 lbs.	16 to 24	1 to 3	1/2
Cauliflower	1/4 oz.	4 oz.	24 to 30	20 to 24	1/2
Celery	1/4 oz.	4 oz.	24 to 40	4 to 6	1/4
Corn, Pop	3 oz.	6 to 8 lbs.	34 to 40	6 to 8	1
Corn, Sweet	3 oz.	10 to 14 lbs.	30 to 42	9 to 12	1
Corn Salad	2 oz.	10 to 12 lbs.	14 to 18	3 to 4	3/4
Cucumber	1/2 oz.	3 to 4 lbs.	48 to 60	12 to 36	1/2 to 3/4
Dill	1/2 oz.	5 lbs.	20 to 36	4 to 6	1/2
Endive	1/2 oz.	4 to 5 lbs.	18 to 24	8 to 12	1/2
Kale	1/2 oz.	4 to 5 lbs.	24 to 32	14 to 22	1/2
Kohi Rabi	1/4 oz.	4 to 5 lbs.	14 to 24	4 to 6	1/2
Leek	1/4 oz.	4 lbs.	14 to 36	2 to 3	3/4
Lettuce	1/4 oz.	3 lbs.	12 to 18	4 to 12	1/4
Melon, Musk	1/2 oz.	3 to 4 lbs.	70 to 80	36 to 60	3/4
Melon, Water	1/2 oz.	3 to 4 lbs.	72 to 96	72 to 96	3/4
Mustard	1/4 oz.	4 lbs.	14 to 24	6 to 9	3/4
Onion	1/4 oz.	3 to 4 lbs.	18 to 24	3 to 4	3/4
Onion (for sets)	1/4 oz.	60 to 85 lbs.	12 to 14	Not thin'd	3/4
Parasip	1/2 oz.	3 to 4 lbs.	18 to 24	3 to 4	1/2
Parley	1/4 oz.	3 to 4 lbs.	12 to 20	6 to 8	1/2
Peas	3/4 lb.	90 to 180 lbs.	24 to 36	1 to 2	1 to 2
Pepper	1 1/2 oz.	1 to 2 lbs.	20 to 30	18 to 20	1/2
Potatoes	8 lbs.	800-1000	24 to 36	18 to 24	6
Pumpkin	2 oz.	3 to 4 lbs.	96 to 110	60 to 84	1
Radish	1/2 oz.	10 to 12 lbs.	12 to 18	1 to 2	1/2
Rutabaga	1/2 oz.	2 to 4 lbs.	18 to 24	4 to 7	1/2
Salsify	3/4 oz.	7 to 8 lbs.	18 to 24	2 to 3	3/4
Spinach	3/4 oz.	10 to 20 lbs.	14 to 18	3 to 5	3/4
Squash, Bush	1 oz.	4 to 6 lbs.	42 to 48	42 to 48	1
Squash, Vining	1 oz.	4 lbs.	72 to 90	60 to 90	1
Sunflower	1 oz.	7 to 8 lbs.	48 to 70	10 to 12	1
Tomato	2 oz.	2 oz.	40 to 60	36 to 40	1/2
Turnip	1 1/2 oz.	2 to 3 lbs.	12 to 20	2 to 4	1/2

# ROSES

OUR ROSES ARE JUMBO SIZE NO. 1, TWO-YEAR-OLD NORTHWEST GROWN OF HIGHEST QUALITY. PRICES QUOTED ARE F. O. B. TACOMA. PLEASE ADD POSTAGE. BUSHES WEIGH APPROXIMATELY THREE POUNDS PACKED FOR MAILING.

## Novelty and Patented Roses

**BLAZE** (CL) Plant Pat. No. 10. Acclaimed by the nation as the only hardy ever blooming scarlet climber. Blaze combines the vigor, beauty and hardness of Paul's Scarlet Climber. Propagated from blooming wood only. Each \$1.00.

**RUTH ALEXANDER** (LC) (Rena Wilber, 1937). Plant Patent No. 178. Large, long-pointed buds of vermilion-orange open to large, high centered flowers, jonquil-yellow at the base, merging into orange. The tips of the petals are old rose when mature. Glossy foliage. Beautiful. \$1.25 each.

## Standard Bush Roses

No. 1 Two-Year-Old Field Grown — 45c each,  
3 for \$1.25, \$4.50 per dozen.

### RED HYBRID TEAS

**E. G. HILL.** This is the most unfading of all roses. Immense, double flowers of dazzling scarlet shading to a deeper red as they develop; are delicately fragrant and long lasting.

**ETOILE DE HOLLANDE.** The finest dark red rose for general purposes. Ranked among the first three of its color by everyone who knows roses. The beautiful, oval buds are perfect.

**HADLEY.** Large flowers of an intense rich dazzling crimson-scarlet shading to velvety crimson.

**HOOSIER BEAUTY.** Glowing crimson scarlet buds of good length and fragrant.

**MARGARET McGREDY.** Rich shade Oriental red, double, long lasting, fragrant.

**McGREDY'S SCARLET.** A red rose of marked superiority on account of its strong, vigorous growth, free and continuous habit of flowering, and its brilliant color. The fragrant, full, double flowers are of good size. They are brilliant scarlet, orange-yellow at base of petals, the upper portions of same being lightly touched with crimson, varying some in color under changing weather conditions but always beautiful.

**RED RADIANCE.** Bright cerise-red, sport of Radiance, possessing same type.

**ROUGE MALLERIN.** A brilliant red rose which does not blue; long-pointed buds opening to blooms of glowing scarlet, overlaid with rich velvet. Very fragrant with rich old Damask perfume.

### PINK HYBRID TEAS

**BETTY UPRICHARD.** Semi-double, salmon-pink flowers stained with copper pink on the outside.

**DAINTY BESS** (Single). An exceedingly charming and dainty colored rose of perfect form. Petals are delicate shell pink.

**IMPERIAL POTENTATE.** Splendid long buds and large double flowers of a beautiful glistening rose-pink shade. Really an outstanding rose of exceptional beauty.

**LOS ANGELES.** Long stemmed, fragrant flowers are luminous flame pink, toned with coral, shaded with translucent gold.

**RAPTURE.** Fine, pointed buds and blooms of glowing pink. Plants strong and free flowering.

### ORANGE and TRI-COLORED HYBRID TEAS

**AUTUMN.** A distinct color of intense richness. This rose incorporates shades of burnt orange suffused with russet-brown and bronzy red all overlaid on a background of rich yellow.

**CONDESSA DE SASTAGO.** You will admire the brilliant colors of this new double rose from sunny Spain. The bud is like a ball of gold with red stripes. Fully open it is fiery copper and gold.

**McGREDY'S WONDER.** (Orange). Medium sized double flowers, inside and base of petals deep indian-yellow without shading, outside bright orange flushed salmon; tea fragrance.

**MEYR. G. A. VAN ROSSEM.** Unique color, dark orange and apricot shaded to bronze.

**MRS. SAM McGREDY.** Large, long-pointed buds are produced singly on strong, slender stems. The color is a glowing combination of red, copper and orange.

**PRES. H. HOOVER.** A wonderful multi-colored rose, charmingly combining shades of cerise-pink, flame, scarlet and yellow.

**SHOT SILK.** Medium sized buds, coppery rose shaded apricot and yellow, fragrant.

**TALISMAN.** A vividly colored rose of an unusual combination of gold, apricot, pink and carmine in mingled splashes, streaks and blends.

### YELLOW HYBRID TEAS

**GOLDEN DAWN.** The oval buds are rich straw-yellow, flushed old rose, opening into splendid double, sweetly scented flowers of sunflower-yellow.

**GOLDEN EMBLEM.** Intense yellow buds and blooms of good shape and texture.

**JOANNA HILL.** Clear yellow, golden heart, long pointed buds, opens semi-double.

**LADY FORTEVIOT.** Large, lasting, very fragrant golden yellow flushed cardinal.

**McGREDY'S YELLOW** (HT) (McGredy, 1933). Large, bright buttercup yellow flowers, every bloom of which is perfect in form and sweetly scented. The foliage is glossy and free of disease in most localities. The fine bush is full of vigor, continually sending out fine blooms. Stands heat well.

**MRS. P. S. DuPONT.** Winner of more gold medals for outdoor blooms than any other rose. Buds are small but exquisitely formed and of a reddish gold, opening into yellow flowers.

**PHYLIS GOLD.** Golden yellow, well formed blooms with high center; strong, stiff petals. Growth vigorous and upright. Olive-green foliage with black thorns. One of the best yellow roses ever introduced.

**VILLE de PARIS.** Pure yellow, perfect all-weather rose, fine buds, free flowering.

### WHITE HYBRID TEAS

**McGREDY'S IVORY.** The size and perfection of form of this wonderful rose are almost unbelievable. The buds are long and pointed, opening to perfectly formed flowers of ivory-white.

**OPHELIA.** Creamy white and pale pink with golden reflection; fragrant.

## Climbing Roses

**ETOILE DE HOLLANDE** (HT). Ranked among the first three of its color by everyone who knows roses. The beautiful, oval buds are perfect, of medium size, and open into magnificent brilliant red blooms.

**GOLDEN EMBLEM** (CL). A climbing type of the well-known bush rose. The rose is flecked with rich yellow and carmine edges, glossy mildew proof foliage.

**LOS ANGELES** (CL). Flame pink toned coral, sport of Los Angeles bush rose.

**MME. CECIL BRUNNER** (CL). A climbing form of the well-known bush rose. Very dainty small double blooms of perfect form.

**PAUL'S SCARLET.** The semi-double flowers are of good size and of a vivid scarlet-red color, fading but little. Freely produced in clusters on much branched canes. It is perfectly hardy.

**PRESIDENT H. HOOVER** (CL). Form and coloring identical with this fine bush rose.

**TALISMAN** (HT). A striking climber with the same vivid colors as the bush variety—gold, apricot, pink and carmine. Flowers are fairly double; of lovely form.



WE INVITE YOU TO INSPECT OUR COMPLETE  
SELECTION OF HIGH QUALITY TREES  
AND SHRUBS AT OUR STORES



#### BURBANK FLOWERING PEACH

One of the most beautiful of the flowering trees. Very hardy. See Nursery Stock Section. 5-6 ft., \$1.25.



#### DAINTY BESS

A beautiful rose both in bud and full bloom. Striking as a rose for cutting. See Rose Section. Each 60c. postpaid. 45c each, 3 for \$1.25, dozen \$4.50 at the Store.



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#### CHRISTOPHER STONE

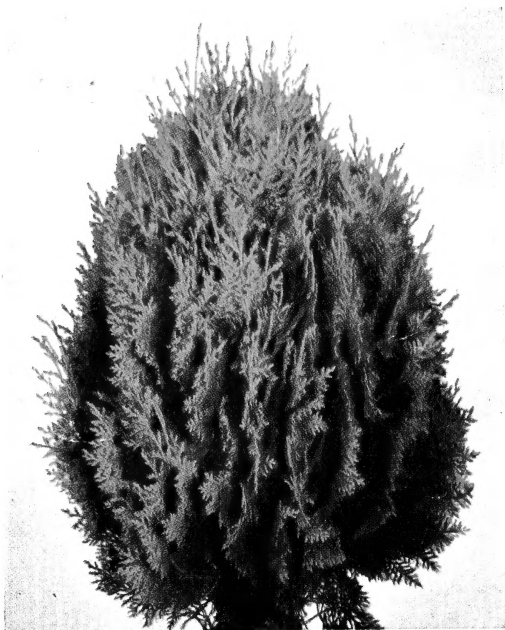
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A most beautiful rose, scarlet overlaid with velvety crimson. Very fragrant. See Rose Section. Each 60c. postpaid. 45c each, 3 for \$1.25, Doz. \$4.50 at the Store.



#### MRS. E. P. THOM

One of the very finest of the deep yellows. Very fine bud, fragrant, fine for cutting. See Rose Section. Ea. 60c. postpaid. 45c each, 3 for \$1.25, Doz. \$4.50 at the Store.



#### **BERCKMAN'S GOLDEN ARBORVITAE**

One of the grandest of the conifers. Fits into any shrub planting, enhancing the display. See Nursery Stock Section.



#### **CAMELLIA, CHEERFUL**

Today's most popular evergreen shrub. Never surpassed for beauty of bloom. See Nursery Stock Section.

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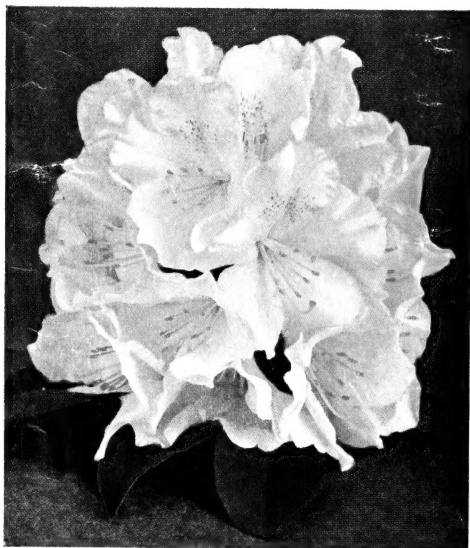
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## **ORNAMENTAL SHRUBS TO BEAUTIFY YOUR HOME GROUNDS**

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#### **RHODODENDRON, PINK PEARL**

This colorful evergreen shrub adds color to every planting. See Nursery Stock Section.



#### **BEAUTY BUSH**

One of the most colorful deciduous shrubs. A distinct addition to any garden. See Nursery Stock Section.